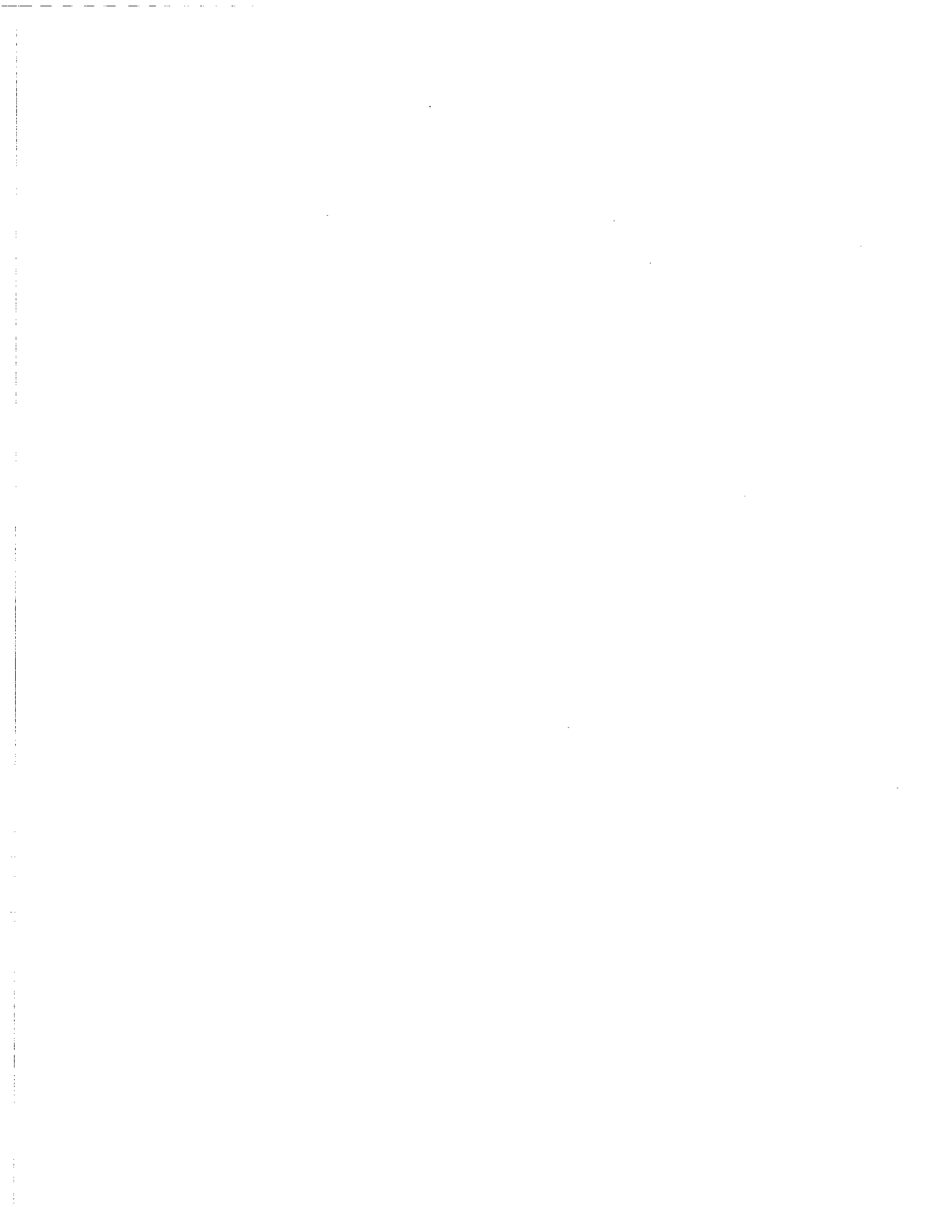


**Mark's Cleaning Service, Inc. Supplies and Index of SDS**

**Duct, Carpet, and Window Cleaning Division**

**Carpet:**

<b>Product Name/Chemical</b>	<b>Type of Chemical</b>	<b>Manufacturer</b>	<b>Page #</b>
Anti-Allergen Detergent Mix	Cleaning agent	Master Blend	C1A-C1I
Aqua Mix Seal /Coat Remover	Coating Remover	Custom Building Products	C2A-C2K
Benefect Broad Spectrum	Disinfectant	Sensible Life Products	C3A-C3E
Chemtreat WoolFiber	Moth Proofing	Chem Spec Europe	C4A-C4C
Clear Seal NL 105	Sealer	Newline Industries	C6A-C6B
Crystal Defoamer	Carpet Cleaning	Chemspec.	C7A-C7H
Defender	Textile Protector	Chemical Technologies	C8A-C8F
Dry Spotter VS	Spot Remover	Kleenrite Chemical	C9A-C9D
Easy Glide Glass Cleaner	Cleaner	Unger Enterprises LLC	C10A-C10H
Encapulclean Green DS	Protective Treatment	Bridgepoint Systems	C11A-C11E
EncapuGuard Green	Protective Treatment	Bridgepoint Systems	C12A-C-12H
EnzAll	Carpet Cleaning	Legend Brands Chemspec	C13A-C13H
Flex Fire Rinse	Extraction Rinse	Bridgepoint Systems	C14A-C14H
Flex Ice Rinse	Extraction Rinse	Bridgepoint Rinse	C15A-C15H
Flex Powder CC 21	Carpet Prespray	Bridgepoint Systems	C21A-C21E
Foam Solvent Carpet	Shampoo	Pro chem	C17A-C17D
Foam Dry 2x	Shampoo for Carpet Care	Scot Laboratories	C18A-C18F
Foam Dry with Stain Resist	Shampoo	Scot Laboratories	C19A-C19G
Fringe Bleach	General Use	MasterBlend	C20A-C20k
Green Balance Neutral Rinse	Citric Acid	Bridgepoint Systems	C22A-C22E
Green Balance Pre Spray	Pre-Spray	Bridgepoint Systems	C22A-C22E
Groutmaster	Surfactant/Detergent	TMF CHEMICAL	C23A-C23D
HI-Test NL 102	Cleaner	Newline Industries	C24A-C24B
NL601	Cleaning Compound	Newline Industries	C25A-C25F
Orange 88 Degreaser	Degreaser, Drain Cleaner	Warsaw Chemicals	C27A-C27B
Professional Tile/Grout	Cleaner	Prochem Karcher Inc.	C29A-C29F
Proxi Spray & Walk Away	Cleaner	Rochester Midland	C30A-C30H
Releasit Encap Spot	Carpet Spotter	Releasit	C31A-C31H
Rob's Secret Formula	Carpet Cleaner Spikes	TMF Chemicals	C44A-C44C
Rust Stain Remover	Rust Remover	Whink Products Company	C34A-C34F
Stain 1	Stain Remover	Chemical Technologies	C36A-C35F
Unbelievable GoodSolvR	Adhesive Remover	Core Products Co	C40A-C40F
Unbelievable Rid'Z Odor	Water Soluble Deodorizer	Core Products Co.	C41A-C41B
Advanced Protector with Teflon	Surface Protector	Hydro-Force	C42A-C42H
Super Slip	Window Cleaning Additive	Winsol Laboratories Inc	C43A-C43F
PC-45	Spotter-Traffic Lane Cleaner	Chemical Technologies Int.	C45A-C45F
Viper Venom	Tile and Grout Cleaner	Hydro-Force	C46A-C46E
Truckmount Descaler	Acid Treatment for Equipment	Harvard Chemical Research	C47A-C47G
Truckmount Descaler	Descaler for removal of hard water deposits from Prochem truckmounts	Prochem	C48A-C48H
Black Label Rinse Powder	Carpet cleaning	TMF	C49A-C49F
Black Label	Prespray	TMF	C50A-C50G
EcoCide Beachy Peachy	Carpet Deodorizer	Truck Mount Forums	C51A-C51C
Urine Neutralizer	Carpet Deodorizer	Bridgepoint Systems	C52A-C52H





# SAFETY DATA SHEET

Issue Date 17-Apr-2013

Revision Date 19-Oct-2020

Version 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Product Name Hi-Test NL102

**Other means of identification**

SDS# JC-013-018

**Details of the supplier of the safety data sheet**

Company Name Newline Industries LLC  
111 Highline Drive  
Longwood, FL 32750  
407-480-5464

**Emergency telephone number**

Emergency Telephone INFOTRAC 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 5
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1

**Label elements**

**Emergency Overview**

# Danger

**Hazard statements**

May be harmful if swallowed  
Causes skin irritation  
Causes serious eye damage



Appearance Clear

Physical state Liquid

Odor Mild

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting  
 Drink plenty of water  
 Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations

**Hazards not otherwise classified (HNOC)**

**Other Information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Unknown Acute Toxicity 3.09% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
2-butoxyethanol	111-76-2	3-7	*
Sodium Hydroxide	1310-73-2	1-5	*
Sodium Metasilicate	6834-92-0	1-5	*
Tetrasodium EDTA	64-02-8	1-5	*
Decylglucoside	54549-25-6	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**General advice** Immediate medical attention is required.

**Skin Contact** Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. For minor skin contact, avoid spreading material on unaffected skin. For severe burns, immediate medical attention is required.

**Eye contact** Do not rub affected area. Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.

**Ingestion** Drink plenty of water. Immediate medical attention is required. Remove from exposure, lie

down. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Self-protection of the first aider** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Any additional important symptoms and effects are described in Section 11: Toxicology Information.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. Take up mechanically, placing in appropriate containers for disposal. After cleaning, flush away traces with water.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents. Strong acids. Aluminum.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Exposure guidelines noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Tetrasodium Pyrophosphate 7722-88-5	-	(vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls**

Showers, Eyewash stations & Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Tight sealing safety goggles. Face protection shield.

**Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene**

Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Clear
Color	Amber
Odor	Mild
Odor threshold	No Information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	11	
Specific Gravity	1.055	
Viscosity	<25 cP @ 25°C	
Melting point/freezing point	No Information available	
Flash point	No Information available	
Boiling point / boiling range	>= 100 °C / 212 ° F (at 760 mm Hg) Degrees	
Evaporation rate	No Information available	
Flammability (solid, gas)	No data available	
Flammability Limits in Air		
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	No Information available	
Vapor density	No Information available	
Water solubility	Complete	
Partition coefficient	No Information available	
Autoignition temperature	No Information available	
Decomposition temperature	No Information available	

**Other Information**

Density Lbs/Gal	8.79
VOC Content (%)	5.7

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Exposure to air or moisture over prolonged periods.

**Incompatible materials**

Incompatible with strong acids and bases. Incompatible with oxidizing agents. Strong acids. Aluminum.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Inhalation** No data available. Avoid breathing vapors or mists.

**Eye contact** Avoid contact with eyes. Causes severe eye damage.

**Skin Contact** Irritating to skin.

**Ingestion** No data available. Do not taste or swallow. Not an expected route of exposure. May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 486 ppm ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Sodium Hydroxide 1310-73-2	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	-
Sodium Metasilicate 6834-92-0	= 1153 mg/kg ( Rat )	-	-
Tetrasodium EDTA 64-02-8	= 1658 mg/kg ( Rat ) = 10 g/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** No Information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No Information available.

**Germ cell mutagenicity** No Information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-butoxyethanol 111-76-2	A3	Group 3	-	-

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 3 -Not classifiable as a human carcinogen*

**Reproductive toxicity** No Information available.

**STOT - single exposure** No Information available.

**STOT - repeated exposure** No Information available.

**Chronic toxicity** Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects. May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

**Target organ effects** Blood, Central nervous system, EYES, hematopoietic system, Kidney, Liver, Respiratory system, Skin.

**Aspiration hazard** No Information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 3.09% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 4,232.40 mg/kg

**ATEmix (dermal)** 13,015.43 mg/kg

**ATEmix (inhalation-dust/mist)** 26.30 mg/l

**ATEmix (inhalation-vapor)** 7,894.70 mg/l



**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0.09% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-butoxyethanol 111-76-2	-	1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50	1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50 1000: 48 h <i>Daphnia magna</i> mg/L EC50
Sodium Tripolyphosphate 7758-29-4	-	1650: 48 h <i>Leuciscus idus</i> mg/L LC50	-
Sodium Hydroxide 1310-73-2	-	45.4: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static	-
Sodium Metasilicate 6834-92-0	-	210: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 210: 96 h <i>Brachydanio rerio</i> mg/L LC50	216: 96 h <i>Daphnia magna</i> mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static 41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static	610: 24 h <i>Daphnia magna</i> mg/L EC50
Sodium Sulfate 7757-82-6	-	3040 - 4380: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 13500: 96 h <i>Lepomis macrochirus</i> mg/L LC50 13500 - 14500: 96 h <i>Pimephales promelas</i> mg/L LC50 6800: 96 h <i>Pimephales promelas</i> mg/L LC50 static	2564: 48 h <i>Daphnia magna</i> mg/L EC50 630: 96 h <i>Daphnia magna</i> mg/L EC50
Trisodium nitrilotriacetate 5064-31-3	560 - 1000: 96 h <i>Chlorella vulgaris</i> mg/L EC50	93 - 170: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 252: 96 h <i>Lepomis macrochirus</i> mg/L LC50 560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50 semi-static 72 - 133: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 560 - 1000: 96 h <i>Poecilia reticulata</i> mg/L LC50 560 - 1000: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 470: 96 h <i>Pimephales promelas</i> mg/L LC50 static 175 - 225: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 560 - 1000: 96 h <i>Oryzias latipes</i> mg/L LC50 114: 96 h <i>Pimephales promelas</i> mg/L LC50	560 - 1000: 48 h <i>Daphnia magna</i> mg/L LC50

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

Chemical Name	Partition coefficient
2-butoxyethanol 111-76-2	0.81

**Other adverse effects**

No Information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive

**14. TRANSPORT INFORMATION**

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
DSL/NDSL Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
2-butoxyethanol - 111-76-2	1.0

**SARA 311/312 Hazard Categories**

Acute health hazard Yes  
Chronic Health Hazard Yes  
Fire hazard No  
Sudden release of pressure hazard No  
Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations**

**California Proposition 65**

This product has been evaluated and does not require labeling under California Proposition 65.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-butoxyethanol 111-76-2	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X
Tetrasodium Pyrophosphate 7722-88-5	X	X	X
Sodium Sulfate 7757-82-6	-	X	X
Sodium Trimetaphosphate 7785-84-4	-	X	X
Trisodium nitrilotriacetate 5064-31-3	-	X	-

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

<u>NFPA</u>	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 3	Flammability 0	Physical hazards 0	Personal protection X

Issue Date 17-Apr-2013  
 Revision Date 19-Oct-2020

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet





# SAFETY DATA SHEET

Issue Date 19-Jun-13

Revision Date 29-Aug-2014

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

pHire NL601

### Other Means of Identification

SDS # NL 02

### Recommended Use of the Chemical and Restrictions on Use

Recommended Use Cleaning Compound

### Details of the Supplier of the Safety Data Sheet

Supplier Address  
Newline Industries LLC  
1030 West Amelia Street  
Suite D  
Orlando, FL 32805

### Emergency Telephone Number

Company Phone Number 407-480-5464

Emergency Telephone 800-535-5053

## 2. HAZARDS IDENTIFICATION

### Classification

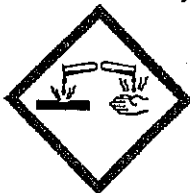
Skin Corrosion/Irritation	Category 1 C
Serious Eye Damage/Eye Irritation	Category 1

### Signal Word

Danger

### Hazard Statements

Causes severe skin burns and eye damage  
Causes serious eye damage



Physical State Liquid

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Take off contaminated clothing and wash before reuse  
 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 Immediately call a POISON CENTER or doctor/physician.  
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

**Precautionary Statements - Storage**

Store locked up

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	1-15
Tetrasodium EDTA	64-02-8	1-5
Surfactant Blend	Proprietary	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye Contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	Contact may cause irritation and redness. Eyes may have symptoms of redness, itching, irritation and watering from overexposure.
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**Indication of any Immediate Medical Attention and Special Treatment Needed**

<b>Note to Physicians</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Non-flammable.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection** Wear suitable protective clothing.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Clear Liquid	<b>Odor</b>	Mild
<b>Color</b>	colorless	<b>Odor Threshold</b>	Not determined
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	> 12.5		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	> 212 F		
Flash Point	> 250 F closed cup		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not applicable		
Lower Flammability Limit	Not applicable		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.11 g/L		
Water Solubility	Soluble in water		
Solubility in Other Solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not an explosive		
Oxidizing Properties	Not determined		

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Causes serious eye irritation.
Skin Contact	Causes skin irritation.
Ingestion	Do not taste or swallow.



**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrasodium EDTA 64-02-8	= 10 g/kg ( Rat )	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity**

Calculated Acute Toxicity Estimate (Oral) for this mixture is >10,000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide 1310-73-2	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**NA1760, Compound Cleaning Liquid (Sodium Hydroxide),8,PGIII**

**15. REGULATORY INFORMATION**

**International Inventories**

Not Determined

**US Federal Regulations**

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lb			X

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations**

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X

**16. OTHER INFORMATION**

Issue Date 19-Jun-13  
 Revision Date 28-Aug-2014  
 Revision Note New pH information

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

C25F



# SAFETY DATA SHEET

**HYDRO-FORCE™**

Supersedes Date: 01-Dec-2015

Revision Date: 03-May-2016

Version: 2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Label Name** Advanced Protector with Teflon Carpet Protector

### Other means of identification

**UPC Code(s)** Not applicable

**Product code** CP16

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Surface protector  
**Uses advised against** Follow label instructions. Not recommended for any use except intended use. Do not atomize or use as aerosol.

### Supplier's details

**Supplier Address**  
Hydro-Force  
4282 South 590 West  
Salt Lake City, UT 84123  
USA

**Manufacturer Address**  
Hydro-Force  
4282 South 590 West  
Salt Lake City, UT 84123  
USA

### Emergency telephone number

**Company Phone Number** 1-800-948-1779  
**Company Emergency Phone Number** United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week)  
International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week)  
**Emergency telephone** Poison Control 1-800-222-1222 (24 hour)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### GHS Label elements, including precautionary statements

#### **Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health  
No GHS pictogram required

**Appearance** Hazy liquid      **Physical state** liquid      **Odor** Odorless

**Precautionary Statements – Prevention**

None

**Precautionary Statements – Response**

None

**Hazards not otherwise classified (HNOC)****Other information**

- Caution
- May be harmful if swallowed
- Causes eye irritation
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not get in eyes, on skin, or on clothing
- Wear protective gloves/protective clothing/eye protection/face protection
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- Get medical advice/attention if you feel unwell
- IF SKIN irritation occurs: Get medical advice/attention

General Hazards

Keep out of reach of children

Please see Section 11. Toxicological Information for further information

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
Water	7732-18-5	> 60	*
Proprietary non-fluorinated polymer	Proprietary	1-5	*
Fluorinated acrylic polymer	Proprietary	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures for different exposure routes****General advice**

If symptoms persist, call a physician.

**Eye contact**

Immediately flush with plenty of water. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact**

Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.

**Toxic - Inhalation**

Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.

**Protection of First-aiders**

Use personal protective equipment.

**Most important symptoms/effects, acute and delayed****Main Symptoms**

No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

Notes to physician                      Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products**                      No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions**                      Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Advice for emergency responders**      For personal protection see section 8.

**Environmental precautions**

**Environmental precautions**              See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment**                      Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**                      Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling**                      Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.

**Conditions for safe storage, including any incompatibilities**

<b>Technical measures/Storage conditions</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.
<b>Packaging material</b>	Keep product in packaging product is initially sold in.
<b>Incompatible products</b>	None known based on information supplied.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

Individual protection measures, such as personal protective equipment

<b>Eye/Face Protection</b>	Tightly fitting safety goggles. Face-shield.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene measures</b>	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	odorless
<b>Appearance</b>	Hazy liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH	7.5		
Melting point	No information available		
Boiling point/boiling range	> 100 °C / > 212° F		
Flash Point	> 94 °C / > 201 °F		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
Vapor pressure	17.5		
Vapor density	0.7	Air=1	
Specific Gravity	1.050		
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	No information available		

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<b>Decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	200 cps
<b>Viscosity, dynamic</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content(%)</b>	No information available
<b>Density VALUE</b>	No information available
<b>Bulk Density VALUE</b>	No information available

**10. STABILITY AND REACTIVITY****Reactivity****Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**      None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Toxic - Inhalation</b>	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
<b>Eye contact</b>	Irritating to eyes. Avoid contact with eyes. May cause redness, itching, and pain.
<b>Skin contact</b>	Avoid contact with skin. Irritating to skin. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may cause stomach discomfort. May cause irritation.

**Information on toxicological effects**

**Symptoms**      No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	No information available.
<b>Eye damage/irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.

<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Developmental Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	Avoid repeated exposure. May cause adverse liver effects.
<b>Target Organ Effects</b>	Blood, Central nervous system, Eyes, Hematopoietic System, Kidney, Liver, Respiratory system, Skin.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	> 5000 mg/kg
<b>ATEmix (dermal)</b>	> 5000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

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**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
None			

**U.S. EPA Label information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazard 1	Flammability 1	Instability 0	Physical and chemical hazards -
<b>HMIS</b>	Health hazard 1	Flammability 1	Physical Hazard 0	Personal protection X

Prepared By Hydro-Force  
Environmental Health & Safety Manager

Revision Date 03-May-2016

Revision Note  
No information available

**Disclaimer**

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bridgewater LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bridgewater LLC assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

End of Material Safety Data Sheet

C426

G42H



## Super Slip

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Super Slip  
**SDS Number:** 6349, 6350  
**Revision Date:** 12/14/2017  
**Product Description:** Window Cleaning Additive  
**Product Use:** Improves Squeegee Glide and Slows Evaporation  
**Supplier Details:** Winsol Laboratories Inc  
 1417 NW 51st St  
 Seattle, WA 98107  
**Emergency:** INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)  
**Phone:** 206-782-5500  
**Web:** www.winsol.com

### 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

- Health, Skin corrosion/irritation, 3
- Health, Serious Eye Damage/Eye Irritation, 2 B

#### GHS Label elements, including precautionary statements

GHS Signal Word: NONE

#### GHS Hazard Pictograms:

no GHS pictograms indicated for this product

#### GHS Hazard Statements:

- H316 - Causes mild skin irritation
- H320 - Causes eye irritation

#### GHS Precautionary Statements:

- P102 - Keep out of reach of children.
- P103 - Read label before use.
- P281 - Use personal protective equipment as required.
- P301 - IF SWALLOWED: May cause gastrointestinal irritation.
- P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.
- P304 - IF INHALED: Not considered dangerous.
- P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas#	%	Chemical Name
64-17-5	.5-2%	Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions
27306-78-1	1-5%	Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.
57-55-6	15-20%	Propylene glycol

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.



## Super Slip

### 4 FIRST AID MEASURES

**Inhalation:** Not considered dangerous.  
**Skin Contact:** Prolonged or repeated and confined exposure may cause skin irritation. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing and footwear before reuse.  
**Eye Contact:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.  
**Ingestion:** Swallowing may cause gastrointestinal irritation. If irritation persists consult medical personnel.

### 5 FIRE FIGHTING MEASURES

**Flammability:** Not flammable  
**Flash Point:** N/A  
**LEL:** N/A  
**UEL:** N/A

**EXTINGUISHING MEDIA:** Water

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

### 6 ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

**LARGE SPILL:** Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

**WASTE DISPOSAL METHOD:** Review Federal, Provincial and Local Government requirements prior to disposal.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Exercise care and caution. Store in cool dry place.

**OTHER PRECAUTIONS:** Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Keep material out of reach of children.

**Storage Requirements:** Store in cool/dry area.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal Protective Equipment:**

**RESPIRATORY PROTECTION:** If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.  
**Ventilation:** Provide general or mechanical ventilation or local exhaust.  
**PROTECTIVE GLOVES:** Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.  
**EYE PROTECTION:** Use safety eyewear designed to protect eyes against liquid splash and mists. Consult your safety equipment supplier.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.  
**WORK/HYGIENIC PRACTICES:** Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.



## Super Slip

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear	<b>Odor:</b>	Mild
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	100% in water
<b>Odor Threshold:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
<b>Spec Grav./Density:</b>	1.01	<b>Flash Point:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Auto-ignition Temp:</b>	No data available
<b>Flammability:</b>	None	<b>UFL/LFL:</b>	No data available
<b>Partition Coefficient:</b>	No data available		
<b>Vapor Pressure:</b>	No data available		
<b>pH:</b>	No data available		
<b>Evap. Rate:</b>	No data available		
<b>Decomp Temp:</b>	No data available		

### 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable under normal conditions.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	N/A
<b>Materials to Avoid:</b>	Strong Oxidizing Agents, Acids.
<b>Hazardous Decomposition:</b>	Not known.
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

Propylene glycol (57-55-6) :

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 20,000 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - 20,800 mg/kg

Other information on acute toxicity LD50 Intramuscular - rat - 14 g/kg

LD50 Intravenous - dog - 26 g/kg

LD50 Intraperitoneal - rat - 6,660 mg/kg

LD50 Subcutaneous - rat - 22,500 mg/kg

LD50 Intravenous - rat - 6,423 mg/kg

LD50 Intraperitoneal - mouse - 9,718 mg/kg

Remarks: Lungs, Thorax, or Respiration:Chronic pulmonary edema. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli.

Blood:Changes in spleen.

LD50 Subcutaneous - mouse - 17,370 mg/kg

Remarks: Behavioral:Change in motor activity (specific assay). Behavioral:Muscle contraction or spasticity. Cyanosis

LD50 Intravenous - mouse - 6,630 mg/kg

LD50 Intravenous - rabbit - 6,500 mg/kg

Skin corrosion/irritation: Skin - Human - Mild skin irritation - 7 d

Serious eye damage/eye irritation: Eyes - rabbit - Mild eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.



### Super Slip

Reproductive toxicity: no data available  
Teratogenicity: no data available  
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available  
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available  
Aspiration hazard: no data available  
Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.  
Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.  
Signs and Symptoms of Exposure: Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system depression  
Synergistic effects: no data available  
Additional Information:  
RTECS: TY2000000

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) :

#### Information on toxicological effects

##### Acute toxicity:

LD50 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.

LC50 Inhalation - rat - 10 h - 20000 ppm

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)

Serious eye damage/eye irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

##### Carcinogenicity:

Carcinogenicity - mouse - Oral:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkins disease.

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, NTP and OSHA.

Reproductive toxicity: no data available

Reproductive toxicity - Human - female - Oral:

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence.

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:

RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.- (27306-78-1) : no data available

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## ECOLOGICAL INFORMATION

Propylene glycol (57-55-6) :

#### Information on ecological effects

##### Toxicity:

Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 52,930 mg/l - 96 h.

Toxicity to daphnia mortality NOEC - Daphnia - 13,020 mg/l - 48 h.

and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available



**Super Slip**

Other adverse effects: no data available

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) : no data available

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.- (27306-78-1) : no data available

**13 DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

**14 TRANSPORT INFORMATION**

Non-hazardous.

**15 REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

-----  
Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.- (27306-78-1) TSCA

Propylene glycol (57-55-6) HAP, PA, TSCA

Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5) MASS, OSHAWAC, PA, TSCA, TXAIR

All ingredients for this product are listed on the TSCA inventory.

SARA Title III chemicals: None

California Prop 65 chemicals: This product contains chemicals known to the State of California to cause cancer or reproductive toxicity. Ethanol (64-17-5) [.5-2%]

CERCLA reportable quantity: None

RCRA hazardous waste no: None

Regulatory CODE Descriptions

-----  
TSCA = Toxic Substances Control Act

HAP = Hazardous Air Pollutants

PA = PA Right-To-Know List of Hazardous Substances

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

TXAIR = TX Air Contaminants with Health Effects Screening Level



## Super Slip

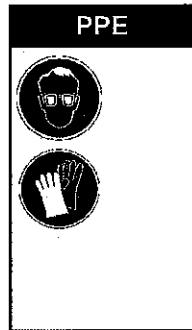
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### OTHER INFORMATION

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



HMIS Index: 1-slight, 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials.

ISSUE DATE: 05/18/15

REVISION DATE: 12/14/17

REVISIONS: 3 year revision/review





Product Name: PC-45  
Revision Date: 5/20/2015

## SAFETY DATA SHEET

### SECTION 1 MATERIAL AND MANUFACTURER IDENTIFICATION

#### PRODUCT

Product Identifier: PC-45  
Intended Product Use: Spotter/Traffic Lane Cleaner  
Manufacturer Identification Code:3302

#### MANUFACTURER

Chemical Technologies International Inc.  
P.O. Box 968  
Rancho Cordova, CA 95741 USA  
Phone: (916) 638-1315 Fax: (916) 638-0712  
24 hours Emergency Assistance Calls (USA): CHEMTREC (800) 424-9300  
Please reference name and manufacturers identification number

### SECTION 2 HAZARD(S) IDENTIFICATION

#### GHS CLASSIFICATION

Acute toxicity, Oral (Category 4)  
Skin irritation (Category 2)  
Skin sensitization (Category 1)  
Eye irritation (Category 2A)  
Acute toxicity, Inhalation (Category 5)

**Routes of Exposure:** Eye contact, skin contact, inhalation, and ingestion.

**Inhalation:** Inhalation of mist or vapor may cause severe irritation of the respiratory tract that usually subsides after exposure ceases.

**Eye Contact:** Vapors may irritate eyes. Direct or prolonged contact with eyes will be painful and irritating may also cause possible permanent damage. Seek immediate medical attention for prolonged irritation.

**Skin Contact:** Repeated exposure may cause skin irritation, drying, chapping.

**Ingestion:** If swallowed will cause irritation/corrosion of the gastrointestinal tract. Seek immediate medical attention.

**Carcinogenic Potential:** Not established

**Acute Effects:** This product is considered to be a potential irritant. This product should not be used for any other purpose than the intended use in section 1.

**Chronic Effects:** Not established.



Health hazard	2
Flammability hazard	0
Reactivity hazard	0
Other hazard	

Signal word: **WARNING**

Hazard statement(s): **H302: Harmful if swallowed;**  
**H315: Causes skin irritation.**  
**H317: May cause an allergic skin reaction.**  
**H320: Causes eye irritation.**  
**H333: May be harmful if inhaled**



Product Name: PC-45

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT	CAS #	CONCENTRATIONS
1. Surfactant Blend	not established	15-30%
2. 2--Butoxyethanol	111-76-2	1-10%

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**SECTION 4 FIRST-AID MEASURES**

**Inhalation:** Remove from further exposure to fresh air. If respiratory irritation, dizziness, or nausea occurs seek immediate medical attention.

**Eye Contact:** Flush eyes with a directed stream of water for 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes immediately after exposure is essential to achieve maximum effectiveness and minimize potential irritation. If irritation persists, seek immediate medical attention.

**Skin Contact:** Wash contact areas with soap and water. Launder exposed clothing before reuse.

**Ingestion:** If swallowed, do not induce vomiting. Seek immediate medical attention.

**SECTION 5 FIRE-FIGHTING MEASURES**

**FLAMMABILITY PROPERTIES**

*Flashpoint:* Non-flammable nor combustible

*Flammable Limits:* Not Available

*Auto ignition Temperature:* Not Available

**FIREFIGHTING PROCEDURES**

**General Hazard:** During a fire smoke may contain the original material in addition to toxic and or irritating compounds. Avoid heat sparks or open flame. Decomposition releases oxygen, which can intensify the fire.

**Firefighting Instructions:** Evacuate all unnecessary personnel. Use dry chemical or CO<sub>2</sub>. Direct water stream may use to cool surrounding containers.

**Firefighting Equipment:** Firefighters should wear NIOSH/MSHA approved self-contained, positive pressure breathing apparatus and full protective clothing.

**Hazardous Combustion Products:** During fire, smoke may contain the original material in addition to toxic and/or irritating compounds such as but not limited to: Carbon oxides, sodium oxides, silicon oxides

**Unusual Fire and Explosion Hazards:** Not established

C45B



Product Name: PC-45

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**PERSONAL PRECAUTIONS**

Persons performing the cleanup should wear personal protective equipment sufficient to keep material away from skin. Avoid direct contact with material. See section 4 for First-Aid Advice. See section 5 for Firefighting Advice.

**PROTECTIVE MEASURES**

To minimize exposure to all chemicals, including this product, use good industrial hygiene and common sense. Use only in well ventilated area. If necessary, use exhaust ventilation to insure adequate ventilation. Insure that water is readily available and that you are prepared to properly wash out your eyes should the need arise. (See section 4 for more advice). Wear NIOSH/MSHA approved organic respirator when ventilation is not adequate or when the sufficiency of ventilation to maintain concentrations below exposure limits is in question. Wear chemical safety goggles to protect against splashes or contact with eyes. See OSHA 29 CFR 1910.33

**CLEAN-UP PROCEDURES**

*Small Spills:* Wipe up or mop to dispose of spill in DOT approved waste container.

*Large Spills:* Contain by diking with soil or other non-combustible absorbent material, and dispose into DOT approved waste container. If possible complete clean up on a dry basis. Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste. Contain all spills or leaks to prevent discharge into the environment. Responsibility of all spills or releases reported to the appropriate local, state and federal agencies falls upon the user.

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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**HANDLING**

This product is professional strength product to be used by professionals only. Avoid breathing vapors/mist of this product. Always keep container tightly closed and properly labels. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Impervious boots/shoes covering should be used if material is anticipated to contact feet. As with all chemicals, practice good industrial hygiene when handling this product. Always work in a well-ventilated area and avoid inhalation of product vapor or mist. Do not ingest.

The manufacturer and seller warrant that this product conforms to its standard specifications when used according to directions. As the conditions of method of its use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true but all statements and suggestions are made without any warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of this material and the results to be obtained from the use thereof.

**STORAGE**

Avoid excessive heat. Avoid storage with oxidizing or reducing agents and/or acids. Employees should be trained to handle this product safely. Store the product in a cool dry area away from ignition sources. Loosen closures cautiously. Avoid storage with combustible organic materials.

*Storage temperature:* Store in cool dry place

*Storage pressure:* Atmospheric

C45C



Product Name: PC-45

<b>SECTION 8</b>	<b>EXPOSURE / PERSONAL PROTECTION</b>
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**EXPOSURE LIMITS**

Exposure limits have not been established for this mixture. Avoid, as far as reasonably practicable, inhalation of vapor, mists or fumes generated. Limits for components are listed below:

<b>COMPONENT #</b>	<b>OSHA PEL TWA STEL</b>	<b>ACGIH TLV TWA STEL</b>	<b>NIOSH TWA STEL</b>
1. Surfactant Blend	not established	not established	not established
2. 2--Butoxyethanol	50ppm	20ppm	5ppm, 240mg/m3

**ENGINEERING CONTROLS**

The level of protection and types of control will vary depending upon potential exposure conditions. If user operations generate dust, fume or mist, use adequate ventilation to keep exposure below exposure limit.

**PERSONAL PROTECTION**

*Ventilation and engineering controls:* Use only in well ventilated area. If necessary, use exhaust ventilation to insure adequate ventilation. Insure that water is readily available and that you are prepared to properly wash out your eyes should the need arise. (Refer to section 4).

*Respiratory:* Wear NIOSH/MSHA approved respirator when ventilation is not adequate. A NIOSH /MSHA –approved air purifying respirator with an organic vapor cartridge or canister may be advisable under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure, air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstances where air-purifying respirators may not provide adequate protection.

*Eye Protection:* Wear safety goggles to protect against eye contact. See OSHA 29 CFR 1910.33

*Skin:* Wear chemical impervious gloves. Wear protective clothing to minimize skin contact. Wash skin after use. Wash contaminated clothing and dry before reuse.

*Other:* One should always use chemicals with an awareness of the potential hazard of the effect on the human system. To minimize employee exposure to all chemicals, including this product, use good industrial hygiene practices.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
------------------	---

*Physical State and Appearance:* Liquid

*Odor:* light floral scent

*Boiling point:* Not Available.

*Melting point:* Not Available.

*Flammability:* Non-flammable nor Combustible.

*Viscosity:* Not Available.

*Flash point:* non-flammable

*Decomposition temperature:* Not Available.

*Color:* Amber

*pH:* 10.0

*Freezing point:* Not Available.

*Density:* Not Available.

*Particle size:* Not Available.

*Vapor density:* Not Available.

*Solubility:* Soluble

*Vapor pressure:* Not Available

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
-------------------	---------------------------------

*Chemical Stability:* Unstable under ambient temperature and atmospheric pressure.

*Conditions to avoid:* Keep away from heat or excessive pressure. Keep away from heat or excessive pressure. Do not contaminate.

*Incompatibility with other materials:* Heavy metals, combustible organic materials, reducing agents.

*Hazardous decomposition products:* Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Sulfur oxides.

*Hazardous polymerization:* Major components of this mixture show no hazardous polymerization.

C45D



**Product Name:** PC-45

*Conditions to Avoid:* Oxygen, which supports combustion.

<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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Toxicological information has not been established on this mixture. Toxicological information on components within this mixture is given by:

<b>COMPONENT #</b>	<b>TOXICITY</b>
1. Surfactant Blend	not established
2. 2-Butoxyethanol	LD <sub>50</sub> Oral - mouse - 470 mg/kg, rat 1230mg/kg LD <sub>50</sub> Dermal - rabbit - 220 mg/kg

<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
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Ecological information has not been established for this product. Ecological information on components within this mixture is given by:

<b>COMPONENT #</b>	<b>TOXICITY</b>
1. Surfactant Blend	Not Established
2. 2-Butoxyethanol	Not Established

<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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Dispose of all waste, empty bottles and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

Do not dump into storm drains or any body of water. All disposal methods must be in compliance with all federal, State/ Province and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The vendor has no control over the management practices or the processes by which the party who handles or uses this material. The information presented here pertains only to the product as shipped in its intended condition and recommended usage.

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT (US)**

Not a hazardous material

**IMDG**

Not a hazardous material

C45E



Product Name: PC-45

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**US Federal Regulations:**

OSHA standards require that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheet (SDS) sheets, training and access to written records. We request that you, as per your legal duty to, make all information in this SDS available to your employees and those who handle or consume the product. To aid our customers in complying with regulatory requirements regulatory information for components of this product are indicated below.

This mixture has no established regulatory information all regulatory information given is based on individual components of the mixture by component number.

<b>COMPONENT #</b>	<b>HAZARD</b>
1. Surfactant Blend	Not Established
2. 2-Butoxyethanol	<b>OSHA Hazards:</b> Combustible Liquid, Target Organ Effect, Harmful by ingestion., Harmful by skin absorption., Irritant, Carcinogen <b>SARA 313 Components:</b> :2-Butoxyethanol CAS-No.111-76-2 <b>SARA 311/312 Hazards:</b> Fire Hazard, Acute Health Hazard, Chronic Health Hazard

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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While the information is believed to be accurate, CTI makes no representations as to its accuracy or sufficiency. This SDS summarizes to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources of each individual component. Since CTI cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. Users are responsible to verify this data under their own operating conditions to determine whether this product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance on information contained herein. This information relates only to the product-designated herein, and does not relate to its use in combination with any other material or in any other process.

C45F



# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: VIPER VENOM CR22**

## SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

**PRODUCT NAME:** Viper Venom

Manufactured By:

Hydro-Force Manufacturing  
4282 W 590 W  
Salt Lake City, Utah 84123  
Company Phone Number: 801-268-2673  
Emergency Phone Number: 1-800-535-5053 (Infotrac)

Date Prepared: 2/1/2013

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)  
Fire: 0 Health: 2 Reactivity: 0

## SECTION 2: INGREDIENTS

<u>HAZARDOUS INGREDIENTS:</u>	<u>TLV</u>	<u>OSHA PEL</u>
Glycol Ether EB (CAS # 111-76-2)	20ppm	240 mg/m3 50 ppm SKIN
Glycol Ether DB (CAS # 112-34-5)	N/E	N/E
Sodium Hydroxide (CAS # 1310-73-2)	2 mg/m3	2 mg/m3
Lemon Fragrance	N/E	N/E

## SECTION 3: HEALTH HAZARD INFORMATION

### IMMEDIATE HEALTH EFFECTS

- Eyes:** Overexposure may cause irritation to eyes.
- Skin:** Prolonged and repeated contact may cause irritation to skin.
- Inhalation:** Inhalation may cause irritation of upper respiratory passages.
- Ingestion:** Single dose oral toxicity is low. Swallowing large amounts may be harmful.

**PRIMARY ROUTES OF ENTRY:** Eyes, skin contact/absorption, inhalation or ingestion.

**SIGNS/SYMPTOMS OF OVEREXPOSURE:** Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to the skin, eyes, nose, throat, and respiratory tract.

**TARGET ORGAN EFFECTS:** Irritation of the skin and eyes. Irritation of lungs possible if mists/aerosols are inhaled.

C46A

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: VIPER VENOM

Page 2 of 5

**REPRODUCTIVE/DEVELOPMENTAL INFORMATION:** No data available.

**CARCINOGENICITY:**

**NTP:** Known – No; Anticipated – No **OSHA:** TLV-A3 for Glycol Ether EB

**IARC:** Not classifiable as to carcinogenicity to humans.

**LONG TERM EFFECTS:** No data available.

## **SECTION 4: EMERGENCY AND FIRST AID PROCEDURES**

**EYES:** Flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

**SKIN:** If irritation occurs, flush skin with water for at least 15 minutes. If irritation persists, consult a physician

**INHALATION:** If symptoms of overexposure develop, remove to fresh air. If symptoms persist, consult a physician.

**INGESTION:** Give 8 to 16 ounces of water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

## **SECTION 5: FIRE, EXPLOSION & REACTIVITY DATA**

**FLASH POINT:** Nonflammable

**EXPLOSIVE LIMITS:** No data available.

**AUTOIGNITION TEMPERATURE:** No data available.

**HAZARDOUS PRODUCTS OF COMBUSTION:** Product is not flammable. Use after, carbon dioxide, dry powder or other media appropriate for materials actually involved in fire.

**EXTINGUISHING MEDIA:** Water spray, foam, dry chemical powder of carbon dioxide.

**FIRE FIGHTING INSTRUCTIONS:** None.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Extract liquid with cleaning machine or absorb liquid on inert material such as paper, vermiculite, floor absorbent, and dispose of in accordance with local regulations.

**LARGE SPILL:** Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, contain area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be absorbed with inert material such as sand, clay, earth, or floor absorbent, and shoveled into containers. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify the proper authorities as required that a spill has occurred.

C46B



**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: VIPER VENOM**

Page 3 of 5

**SECTION 7. PRECAUTIONS FOR HANDLING AND STORAGE**

Store out of reach of children. Keep container closed. Store in a cool, dry location. Avoid freezing or extended storage in high temperatures and away from strong oxidizers and acid products.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ventilation System..... Room ventilation is normally satisfactory. Mechanical assist may be required when vapors or mist are generated.  
Personal Respirators..... Respirator recommended if product is misted. Use NIOSH/MSHA approved respiratory protection.  
Skin Protection..... Rubber gloves are recommended & other clothing that will prevent contact with this product.  
Eye Protection..... Use safety glasses.

**SECTION 9: PHYSICAL DATA**

**Odor:** Slight lemon odor.  
**Physical State:** Liquid.  
**Appearance:** Clear yellow  
**pH RTU :** 12.5  
**Specific Gravity :** 1.015  
**Boiling Point:** N/D  
**Freezing/Melting Point:** N/E  
**Vapor Pressure:** N/D  
**Vapor Density:** N/D  
**Solubility in Water:** Complete  
**VOC:** <1.0% at strongest dilution after exemptions

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**CONDITIONS TO AVOID:** None with proper storing and handling.

**MATERIALS TO AVOID:** Strong acids and oxidizing materials.

**HAZARDOUS DECOMPOSITION:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.

**HAZARDOUS POLYMERIZATION:** Will not occur.

C46C

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: VIPER VENOM

Page 4 of 5

## SECTION 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE:** Skin absorption, eye contact, inhalation, and ingestion.

### CARCINOGENICITY:

**NTP:** Known – No; Anticipated – No **OSHA:** TLV-A3 for Glycol Ether EB

**IARC:** Not classifiable as to carcinogenicity to humans.

**TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS:** No data available.

**CONDITIONS AGGREGATED BY EXPOSURE:** No data available.

**SYNERGISTIC MATERIALS:** No data available.

**TOXICOLOGY:** The calculated LD50 of the product is >5,000 mg/kg (oral/rat).

**Glycol Ether EB - Oral Rat LD50:** 500- 3000 mg/kg **Dermal Rabbit LD50:** 400 mg/kg;

**Inhalation Rat LC50:** 450 ppm. (4 hours)

**Glycol Ether DB – Oral guinea pig LD50:** 2000 mg/kg. **Dermal Rabbit LD50:** 2700 mg/kg

## SECTION 12. ECOLOGICAL INFORMATION

### Glycol Ether EB

Material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in most sensitive species tested).

**Fish Acute & Prolonged Toxicity**

LC50, bluegill (*Lepomis macrochirus*), 96 h: 820 - 1,490 mg/l

LC50, rainbow trout (*Oncorhynchus mykiss*), 96 h: 1,700 mg/l

**Aquatic Invertebrate Acute Toxicity**

LC50, water flea *Daphnia magna*: 835 mg/l

EC50, water flea *Daphnia magna*, immobilization: 1,600 - 2,500 mg/l

LC50, grass shrimp (*Palaemonetes pugio*), static, 96 h: 5.4 mg/l

LC50, common shrimp *Crangon crangon*, static, 96 h: 550 - 950 mg/l

**Aquatic Plant Toxicity**

EC50, green alga *Pseudokirchneriella subcapitata* (formerly known as *Selenastrum capricornutum*), biomass growth inhibition, 72 h: 911 mg/l

**Toxicity to Micro-organisms**

IC50; bacteria: > 1,000 mg/l

### Glycol Ether DB

**Oxygen Demand Data:** BOD-5: 250 mg/g COD (Chemical Oxygen Demand):: 2,080 mg/g

**Acute Aquatic Effects Data:** 24 h LC-50 (goldfish): 2700 mg/L 96 h LC-50 (bluegill sunfish): 1300 mg/L

### Sodium Hydroxide

This material has exhibited moderate toxicity to aquatic organisms. Data provided are for sodium hydroxide.

**Freshwater Fish Data:**

LC50 brook trout: 25 ppm/24 hr

LC50 king salmon: 48 ppm

C46D

**MATERIAL SAFETY DATA SHEET**  
**PRODUCT NAME: VIPER VENOM**

Page 5 of 5

**Invertebrate Toxicity Data:**

EC50 daphnia magna: 100 ppm

EC50 shrimp: 33 100 ppm/48 hr

EC50 cockle: 330 1000 ppm/48 hr

**BIODEGRADATION:** This material is inorganic and not subject to biodegradation.

**PERSISTENCE:** This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material is believed to exist in the disassociated state in the environment.

**BIOCONCENTRATION:** This material is not expected to bioconcentrate in organisms.

**ADDITIONAL ECOLOGICAL INFORMATION:** This material has exhibited slight toxicity to terrestrial organisms.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

**SECTION 14. TRANSPORTATION**

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

**SECTION 15. REGULATORY INFORMATION**

**US Federal Regulations:**

All components are listed on TSCA

SARA - Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 -Glycol Ether EB & DB Listed.

**SECTION 16. OTHER INFORMATION**

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. HYDRO-FORCE MANUFACTURING MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established

C46E





# SAFETY DATA SHEET

## Harvard Chemical Research, Inc.

Issue Date No data available

Revision Date 01-Jun-2015

Version 1

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

Product Name Truckmount Descaler

**Other means of identification**

Product Code 370204

Synonyms None

**Recommended use of the chemical and restrictions on use**

Recommended Use Acid Treatment for Equipment.

Uses advised against No information available

**Details of the supplier of the safety data sheet**

**Manufacturer Address**

Harvard Chemical Research, Inc., 3595 Zip Industrial Blvd., Atlanta, GA 30354

**Emergency telephone number**

Company Phone Number 1-404-761-0657

24 Hour Emergency Phone Number 800-424-9300

Emergency Telephone Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

**Label elements**

**Emergency Overview**

<b>Appearance</b> Clear Liquid	<b>Physical state</b> liquid	<b>Odor</b> Low
--------------------------------	------------------------------	-----------------

**Hazards not otherwise classified (HNOC)**

**Other Information**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Water	7732-18-5	<85	*
Glycolic Acid	79-14-1	<25	*

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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### First aid measures

<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air. If not breathing, clear airway and start artificial respiration. If victim is having trouble breathing, give supplemental oxygen, if available. Get medical attention.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

##### Most important symptoms and effects, both acute and delayed

**Symptoms** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

##### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

##### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Alkaline products.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** No special technical protective measures are necessary.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Low
<b>Appearance</b>	Clear Liquid	<b>Odor threshold</b>	No information available
<b>Color</b>	clear		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks</u></b>	<b><u>Method</u></b>
pH	1.0		
Melting point/freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point	No information available		
Evaporation rate	<1		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	>1		
Vapor density	No information available		
Specific Gravity	1.07		

<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Density</b>	8.91
<b>Bulk density</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

Stable under ordinary conditions of use and storage. No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Strong Alkalis.

**Incompatible materials**

Alkaline products.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Product Information</b>	No data available
<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Glycolic Acid 79-14-1	= 1950 mg/kg ( Rat )	-	= 7100 µg/m <sup>3</sup> ( Rat ) 4 h

**Information on toxicological effects**

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**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization No information available.  
 Germ cell mutagenicity No information available.  
 Carcinogenicity No information available.  
 Reproductive toxicity No information available.  
 STOT - single exposure No information available.  
 STOT - repeated exposure No information available.  
 Aspiration hazard No information available.

**Numerical measures of toxicity - Product Information**

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Glycolic Acid 79-14-1	-	5000: 96 h Brachydanio rerio mg/L LC50 static	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

Chemical Name	Partition coefficient
Glycolic Acid 79-14-1	-1.11

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**14. TRANSPORT INFORMATION**

**DOT**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5	-	-	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

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<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

Revision Date 01-Jun-2015

**Revision Note**

No information available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**





**SAFETY DATA SHEET**  
**TRUCK MOUNT DESCALER**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name TRUCK MOUNT DESCALER  
Product number E551

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses A liquid inhibited descaler for removal of hard water deposits from Prochem truck mounts.

**1.3. Details of the supplier of the safety data sheet**

Supplier www.prochem.co.uk  
Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
sales@prochem.co.uk

**1.4. Emergency telephone number**

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification**

**Physical hazards**

Met. Corr. 1 - H290

**Health hazards**

Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R22. Xi;R38,R41.

**Human health**

Risk of serious damage to eyes. May cause severe eye irritation. Causes skin irritation. Inhalation may cause: Upper respiratory irritation. Ingestion may cause: irritation nausea systemic effects

**Environmental**

The product is not expected to be hazardous to the environment. The product is expected to be biodegradable.

**Physicochemical**

May be corrosive to metals.

**2.2. Label elements**

## TRUCK MOUNT DESCALER

## Pictogram



## Signal word

Danger

## Hazard statements

H290 May be corrosive to metals.

H315 Causes skin irritation.

H318 Causes serious eye damage.

## Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P390 Absorb spillage to prevent material damage.

## Contains

UREA HYDROCHLORIDE

2.3. Other hazards

See section 8 for details of exposure limits.

**SECTION 3: Composition/information on ingredients**3.2. Mixtures

UREA HYDROCHLORIDE

5-15%

CAS number: 506-89-8 EC number: —

**Classification**

Met. Corr. 1 - H290

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

STOT SE 3 - H335

STOT SE 3 - H335

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R22. Xi;R38,R41.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**4.1. Description of first aid measures**Inhalation**

Remove affected person from source of contamination. Consult a physician for specific advice.

**Ingestion**

Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Seek medical advice immediately and show the container or label.

**Skin contact**

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

## TRUCK MOUNT DESCALER

### Inhalation

Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

### Ingestion

Ingestion may cause: irritation of mouth and throat.

### Skin contact

Causes skin irritation.

### Eye contact

Causes serious eye damage.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### Notes for the doctor

In the event of contact with eyes or ingestion seek immediate medical help.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Water spray, dry powder or carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

#### Specific hazards

No unusual fire or explosion hazards noted.

#### Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

#### Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

## TRUCK MOUNT DESCALER

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage precautions**

Keep out of the reach of children. Store in closed original container at temperatures between 5°C and 30°C. Store away from the following materials: Metals.

### 7.3. Specific end use(s)

#### **Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## **SECTION 8: Exposure Controls/personal protection**

### 8.1. Control parameters

#### **Occupational exposure limits**

#### **Ingredient comments**

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### **Protective equipment**



#### **Appropriate engineering controls**

Provide adequate ventilation.

#### **Eye/face protection**

Side shield safety glasses are recommended when handling this product.

#### **Hand protection**

Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### **Hygiene measures**

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

#### **Respiratory protection**

For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

## **SECTION 9: Physical and Chemical Properties**

### 9.1. Information on basic physical and chemical properties

#### **Appearance**

Clear liquid.

#### **Colour**

Colourless to pale yellow.

#### **Odour**

Odourless.

#### **pH**

pH (concentrated solution): 1

#### **Initial boiling point and range**

100°C

#### **Flash point**

Not applicable.

#### **Evaporation rate**

Not determined.



**TRUCK MOUNT DESCALER****Upper/lower flammability or explosive limits**

Not applicable.

**Vapour pressure**

Not determined.

**Vapour density**

Not determined.

**Relative density**

1.02

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**Viscosity**

Not determined.

**Explosive properties**

Not applicable.

**Oxidising properties**

Not applicable.

**9.2. Other information****Other information**

None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

There are no known reactivity hazards associated with this product.

**10.2. Chemical stability****Stability**

Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

Not determined.

**10.4. Conditions to avoid**

Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

**10.5. Incompatible materials****Materials to avoid**

Avoid contact with metals when not in use. Strong oxidising agents.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

**SECTION 11: Toxicological Information****11.1. Information on toxicological effects****Toxicological effects**

Ingestion may cause: irritation nausea systemic effects Product is acidic and may be mildly corrosive to mucous membranes.  
Inhalation may cause: Upper respiratory irritation.

**Acute toxicity - oral**

ATE oral (mg/kg)

3,571.42857143

**Skin corrosion/irritation**

**TRUCK MOUNT DESCALER**

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation**

Risk of serious damage to eyes. May cause severe eye irritation.

**Skin sensitisation**

None known.

**Germ cell mutagenicity**

**Genotoxicity - in vivo**

No effects expected based upon current data.

**Carcinogenicity**

No effects expected based upon current data.

**Reproductive toxicity**

**Reproductive toxicity - fertility**

No effects expected based upon current data.

**Toxicological information on ingredients.**

**UREA HYDROCHLORIDE**

**Acute toxicity - oral**

**Acute toxicity oral (LD50 mg/kg)**

1,121

**Species**

Rat

**SECTION 12: Ecological Information**

**12.1. Toxicity**

Not determined.

**12.2. Persistence and degradability**

**Persistence and degradability**

The product is expected to be biodegradable. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

**Ecological information on ingredients.**

**UREA HYDROCHLORIDE**

**Chemical oxygen demand**

3500 g O<sub>2</sub>/g substance

**12.3. Bioaccumulative potential**

Not known.

**Partition coefficient**

Not determined.

**12.4. Mobility in soil**

**Mobility**

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

None known.

**TRUCK MOUNT DESCALER****SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

**SECTION 14: Transport information****14.1. UN number**

UN No. (ADR/RID) 3265

UN No. (IMDG) 3265

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) Corrosive Liquid, Acidic, Organic, N.O.S. (Urea hydrochloride solution)

Proper shipping name (IMDG) Corrosive Liquid, Acidic, Organic, N.O.S. (Urea hydrochloride solution)

**14.3. Transport hazard class(es)**

IMDG class 8

**14.4. Packing group**

Supplied in accordance with "Limited Quantity" provisions.

ADR/RID packing group III

IMDG packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

None.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****General information**

Telephone 020 8974 1515

**Revision comments**

### TRUCK MOUNT DESCALER

NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 13/02/2015

**Revision** 3

**Supersedes date** 02/06/2014

**Signature** Aaron Saunders

**Risk phrases in full**

R22 Harmful if swallowed.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

**Hazard statements in full**

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

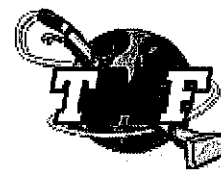
H335 May cause respiratory irritation.

**Disclaimer**

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.

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# Safety Data Sheet



## 1. IDENTIFICATION

**Product Identifier**                    **Black Label Rinse Powder**

**Other means of identification**                    TMF-3219

**Product code**

**Recommended use**                    Carpet cleaning.

**Recommended restrictions**                    Professional use only.

**Manufacturer/supplier/distributor/importer information**

**Company name**                    **Truck Mount Forums**

**Address**                    1728 South Park Ct.  
   Chesapeake  
   VA 23320 USA

**Telephone**                    (800) 949-7726

**Emergency phone number**                    PERS (24-Hour Emergency)                    (800) 633-8253

## 2. HAZARD(S) IDENTIFICATION

**Physical hazards**                    None

**Health hazards**                    None

**Environmental hazards**                    Not classified.

**OSHA defined hazards**                    Not listed.

**Label elements**                    None

**Signal word**                    None

**Hazard statement**                    None

**Precautionary statement**

**Prevention**                    Wear protective gloves/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response**                    In case of fire, use water fog to extinguish.  
   **IF SWALLOWED:** Rinse mouth. Call a POISON CENTER/doctor/medical professional if symptoms occur.  
   **IF ON SKIN:** Wash with plenty soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
   **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor/medical professional if symptoms persist.

**Storage**                    No prescriptive instruction

**Disposal**                    Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**                    None.

**Supplemental information**                    None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture Component(s)

Chemical name	CAS number	%
Sodium Tripolyphosphate	7758-29-4	90-100

## 4. FIRST-AID MEASURES

**Inhalation**                    Move to fresh air. Call a physician if symptoms develop or persist.

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## Safety Data Sheet

<b>Skin contact</b>	Remove contaminated clothing and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Call a physician if symptoms persist.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms persist. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Can cause eye damage. Can cause burning sensation in affected areas. Shortness of breath, respiratory tract irritation or damage.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with extreme caution.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	None.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	None.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>Methods and materials for containment and cleaning up</b>	This product is miscible in water.  Large spills: Place the material in containers using a broom or shovel. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.  Small spills: Sweep up and put into containers. Clean surface thoroughly to remove residual contamination.  Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into areas not consistent with package labeling.

### 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

# Safety Data Sheet



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium tripolyphosphate	TWA	15 mg/m <sup>3</sup>

#### US ACGIH Threshold Limit Values

Components	Type	Value
Sodium tripolyphosphate	TWA	10 mg/m <sup>3</sup>

**Biological limit values** No Information available.

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods, coveralls, or encapsulated suits. Suggested protective materials: Nitrile and PVC rubber.

##### Other

Wear appropriate chemical resistant clothing.

##### Respiratory protection

Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment.

##### Thermal hazards

None.

### General hygiene considerations

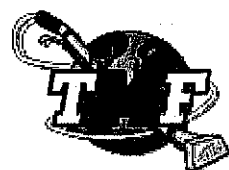
When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Physical State</b>	Powder
<b>Color</b>	White
<b>Odor</b>	Sweet/characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	9.5-10 (1% solution)
<b>Melting/freezing point</b>	Not applicable.
<b>Initial boiling point and boiling range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability Limits</b>	
<b>Upper</b>	Not available.
<b>Lower</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity (water=1)</b>	1.07

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# Safety Data Sheet

**Solubility in water** Soluble.  
**Partition coefficient (n-octanol/water)** Not available.  
**Auto-ignition temperature** Not available.  
**Decomposition temperature** Not available.  
**Viscosity** Not applicable.

## 10. STABILITY AND REACTIVITY

**Reactivity** This product is stable and non-reactive under normal conditions of use.  
**Chemical stability** Material is stable under normal conditions. Store in a cool dark place.  
**Possibility of hazardous reactions** Hazardous polymerization does not occur  
**Conditions to avoid** Avoid storage in elevated temperatures.  
**Incompatible materials** Bases, amines, metals, flammable materials, reducing agents.  
**Hazardous decomposition products** Oxygen. In case of fire see section 5.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**  
**Ingestion** Do not ingest. Harmful if swallowed.  
**Inhalation** Do not inhale. Irritating to the respiratory tract.  
**Skin contact** Can cause skin irritation. For personal protection see Section 8.  
**Eye contact** Causes serious eye damage.  
**Symptoms related to the physical, chemical and toxicological characteristics** Coughing, wheezing, shortness of breath.  
**Acute toxicity** Harmful if swallowed.

<b>Product</b> Black Label Rinse Powder (CAS mixture)		
<b>Exposure Classification</b>	<b>Route and Species</b>	<b>LD<sub>50</sub> /LC<sub>50</sub></b>
Acute	Oral, rat	5,400 mg/kg estimated
*Estimates for product may be based on additional component data not shown		

**Skin corrosion/irritation** Causes skin irritation  
**Serious eye damage/ irritation** Causes serious eye damage.  
**Respiratory sensitization** Not considered a respiratory sensitizer.  
**Skin sensitization** Not considered a skin sensitizer.  
**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  
**Carcinogenicity** Not considered a carcinogen.  
**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not Listed.  
**Reproductive toxicity** No data available.  
**Specific target organ toxicity – single exposure** No data available.  
**Specific target organ toxicity – repeated exposure** No data available.  
**Aspiration hazard** No data available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>		
<b>Product</b> Black Label Rinse Powder (CAS mixture)		
<b>Aquatic</b>	<b>Species</b>	<b>Test Results</b>

C49D



**ECOLOGICAL INFORMATION:** Discharge into the environment must be avoided.

**13. Disposal Information**

**DISPOSAL METHOD:** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Use personal protective equipment as required.

**14. Transport Information**

DOT	Not regulated
MEX	Not regulated
IMDG	Not regulated
IATA	Not regulated
<b>IATA</b>	<b>Air transport is not recommended</b>

**15. Regulatory Information**

**International Inventories:**

TSCA	Complies
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL	Canadian Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemical Substances
AICS	Australian Inventory of Chemical Substances
NZIoC	New Zealand Inventory of Chemical Substances

**SARA SECTION 313:**

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight Percent</u>
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C49F

# Safety Data Sheet

*prespray*

## TMF CHEMICAL

### 1. Identification

Product Information: Black Label

Product Name: Black Label

Recommended Use: Professional Cleaning

Restrictions on Use: Professional Use Only

Supplied by: TMF Chemical  
 1728 South Park Ct.  
 Chesapeake VA 23320 USA  
 Tel 1-800-949-7726  
 www.truckmountforums.com

Emergency Telephone: 800-949-7726

### 2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910.1200

Acute Tox. 2 Oral, Skin Corr. 1

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

< 1% of the mixture consists of ingredient(s) of unknown toxicity

**GHS HAZARD STATEMENTS**

Can cause discomfort if swallowed


Direct contact can causes severe eye irritation

**GHS LABEL PRECAUTIONARY STATEMENTS**

Do not breathe dust/fume/gas/mist/ vapors/spray.

Wash face or hands and any exposed skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

 C.50A

If swallowed: Drink milk or water and see a Physician.

If on skin or hair: Take off contaminated clothing and wash skin thoroughly. If irritation persists see a Physician.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists see a Physician.

Store locked up.

Dispose of contents in accordance with local/regional/national/international regulations

### GHS SDS PRECAUTIONARY STATEMENTS

Do not eat, drink or smoke when using this product.

Wash contaminated clothing before reuse.

## 3. Composition/Information on Ingredients

Chemical Name	CAS-No.	Wt. %
Sodium Carbonate	497-19-8	
Sodium Silicate	6834-92-0	

The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. First-aid Measures

**GENERAL ADVICE:** Call a physician if irritation develops or persists.

**FIRST AID - INHALATION:** Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration

**FIRST AID - SKIN CONTACT:** Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Call a physician immediately

**FIRST AID - EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**FIRST AID - INGESTION:** Drink milk or water. Never give anything by mouth to an unconscious person. Call a physician immediately. Gently wipe or rinse the inside of the mouth with water.

**SYMPTOMS:** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**NOTES TO PHYSICIAN:** Treat symptomatically.

## 5. Fire-fighting Measures

### EXTINGUISHING MEDIA

**EXTINGUISHING MEDIA:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**UNSUITABLE EXTINGUISHING MEDIA:** High volume water jet.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Hazardous decomposition products formed under fire conditions.

**ADVICE FOR FIREFIGHTERS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. Accidental Release Measures

**ADVICE FOR EMERGENCY RESPONDERS:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist. Use personal protection recommended in Section 8.

**ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. See Section 12 for additional Ecological information.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Use personal protective equipment.

**7. Handling and Storage**

**HANDLING:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Keep away from eyes and avoid prolong contact with skin.

**STORAGE:** Keep containers tightly closed in a cool, well-ventilated place. Always store in original container.

**8. Exposure Controls/Personal Protection**

**Ingredients with Occupational Exposure Limits**

<u>Chemical Name</u>	<u>ACGIH-TLV-TWA</u>	<u>ACGIH-TLV-STEL</u>	<u>OSHAPEL-TWA</u>	<u>OSHAPEL-CEILING</u>
	N.E.	N.E.	N.E.	N.E.
SODIUM CARBONATE	N.E.	N.E.	N.E.	N.E.
SODIUM SILICATE				

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation Sk = Skin Sensitizer N.E. = Not Established

**Personal Protection**

**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.

**SKIN PROTECTION:** Wear impervious rubber clothing if needed to prevent contact with liquid material wear suitable protective clothing.

**EYE PROTECTION:** Safety glasses with side-shields.

**OTHER PROTECTIVE EQUIPMENT:** No Information

**HYIENIC PRACTICES:** See section 7 for more information

*Handwritten signature and code: C50C*

## 9. Physical and Chemical Properties

Physical State:	Powder	Color:	Off White
Appearance:	Powder	Odor Threshold:	No Information
Odor:	Sweet Odor	pH:	10.0-10.5
Specific Gravity:	0.60	Viscosity:	No Information
Freeze Point, °C:	Not applicable	Partition Coefficient:	No Information
Solubility in Water:	Soluble		
Decomposition temperature, °C	No Information		
Boiling Point, °C:	No Information	Explosive Limits, %:	No Information
Combustibility:	Does not Support Combustion	Flash Point, °C:	No Information
Evaporation Rate:	No Information Available	Auto-Ignition Temperature, °C	Not applicable
Vapor Density:	No Information	Vapor Pressure, mmHg:	Not applicable
Volatile Organic Compounds (VOC):	No Information		

## 10. Stability and Reactivity

REACTIVITY: Stable under normal conditions.

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Direct sources of heat.

INCOMPATIBILITY: Acids, strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: No Information

## 11. Toxicological Information

EFFECT OF OVEREXPOSURE - INHALATION: No Information

EFFECT OF OVEREXPOSURE - SKIN CONTACT: SKIN IRRITANT

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct contact can cause severe irritations

EFFECT OF OVEREXPOSURE - INGESTION: can cause discomfort internally

CARCINOGENICITY: No Information

PRIMARY ROUTE(S) OF ENTRY: No Information

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

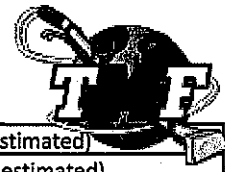
CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
497-19-8	Sodium carbonate	4090 mg/kg Rat	2002	N.I.
6834-92-0	Sodium Silicate	1153 mg/kg Rat	N.I.	N.I.

>1600 mg/l

N.I. = No Information

## 12. Ecological Information

# Safety Data Sheet



Fish	Fathead minnow	LC <sub>50</sub> = 100 mg/L (estimated)
Crustacea	Daphnia Magna	EC <sub>50</sub> = 1000 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

**Persistence and degradability** No data available. Chemicals of this class are not expected to be persistent in an open, aerobic environment

**Bio-accumulative potential** Bio-accumulative potential is low.

**Mobility in soil** No data available. Chemicals of these classes are highly water soluble and are expected to exhibit moderate to high mobility in saturated and semi-saturated soils

**Other adverse effects** Harmful to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused product** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

**USDOT** Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION

**US federal regulations**

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 304 Emergency release notification** Not listed

**SARA 311/312 Hazard Categories**

- Immediate Hazard - No
- Delayed Hazard - No
- Fire Hazard - No
- Pressure Hazard - No
- Reactivity Hazard - No

**SARA 313 (TRI reporting)** Not listed

**California Proposition 65** **California Safe Drinking Water and Toxic Enforcement Act of 1986**  
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (3/2021).

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

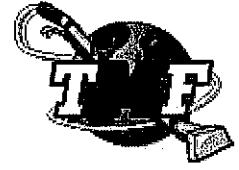
**Issue date** 6/29/2021

**Revision date**

**Version #** 1

**HMIS® ratings** Health: 1  
Flammability: 0  
Physical hazard: 0

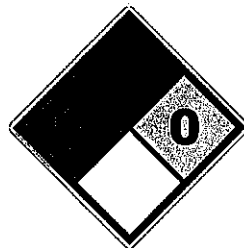
# Safety Data Sheet



HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

## NFPA ratings

Health: 1  
Flammability: 0  
Instability: 0



## Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

## Revision information

First issue.

C50 F



None Known

None Known

**TOXIC SUBSTANCES CONTROL ACT:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

**CALIFORNIA PROPOSITION 65 CARCINOGENS**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
None Known	
None Known	

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

<u>Chemical Name</u>	<u>CAS-No.</u>
None Known	

**16. Other Information**

Revision Date:	2/11/2020	Supersedes Date:	New SDS
Reason for revision:	No Information		
Datasheet produced by:	Regulatory Department		

**HMS Ratings:**

Health:	1	Flammability:	0	Reactivity:	0	Personal Protection:	0
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**NFPA Ratings:**

Health:	0	Flammability:	0	Instability:	0	Physical Hazard:	-
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Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.

C506



## SECTION 1 - Identification

Product: **EcoCide Beachy Peachy**

Manufacturer: Truck Mount Forums  
Address: 1728 South Park Ct.  
Chesapeake  
VA 23320 USA

Emergency Telephone: (816) 873-3342

## SECTION 2 - Hazards Identification

GHS Classification  
Skin sensitization, Category 1B, H317



Signal word: **WARNING**

Hazard statements:  
H317: May cause an allergic skin reaction.

Precautionary statements:  
P281: Use personal protective equipment as required.  
P314: Get medical advice/attention if you feel unwell.  
P501: Dispose of contents/container to in accordance with local/regional/national/international regulations.

## SECTION 3 - Composition

The ingredients in this fragrance mixture are considered by Truck Mount Forums to be a trade secret in accordance with the provisions of the OSHA Hazard Communication Standard (29 CFR 1910.1200). Identities will be revealed to a qualified health professional (physician, nurse practitioner, EMT or physician's assistant) in the event of an emergency.

## SECTION 4 - First Aid Measures

Inhalation: Leave the contaminated area immediately and go to a fresh air source. If breathing is difficult contact a physician.  
Eye Contact: Wash eyes immediately with copious amounts of water. Contact a physician if irritation persists or vision problems occur.  
Skin Contact: Remove any contaminated clothing and wash the exposed skin thoroughly with soap and water. Contact a physician if irritation persists.  
Ingestion: Contact a physician if you feel unwell.

## SECTION 5 - Fire-fighting Measures

Hazardous Products of combustion: CO<sub>2</sub>, CO, other unidentified products of combustion.  
Extinguishing Media: Use dry chemical, foam or water spray.  
Special Fire Fighting Procedure: Use self-contained breathing apparatus (SCBA) and firefighting clothing.  
Unusual Fire and Explosion Hazards - None known.

## SECTION 6 - Accidental Release Measures

C51A-

To avoid possible contamination of the environment, contain spilled material. Cover with an inert, inorganic, non-combustible absorbent material, sweep up and remove to an approved disposal container. Avoid open flames or other sources of ignition. Avoid inhalation of vapors.

## SECTION 7 - Handling and Storage

For maximum personal protection, handle fragrances in a completely closed system.

Ventilation: Employ local exhaust ventilation meeting ACGIH design criteria.

Handling Procedures: Avoid inhalation and eye and skin contact whenever possible. Use good personal hygiene practices. Wash thoroughly after contact with the skin and at the end of each work period. Contaminated clothing and shoes should be laundered or cleaned before reuse.

Storage Requirements: Store in a cool, dry, well-ventilated area. Avoid heat sources. Keep containers closed and upright.

## SECTION 8 - Exposure Controls/Personal Protection

Respiratory Protection: Not normally required in well-ventilated areas. If vapor levels are high due spillage, or if the product is heated, or if other abnormal conditions exist, use a full-face NIOSH-approved organic vapor respirator.

Eye Protection: If abnormal conditions exist, wear NIOSH-approved goggles or shields when handling. Eye wash stations should be available.

Skin Protection: If abnormal conditions exist, wear oil and chemical-resistant gloves when handling. Safety showers should be available.

## SECTION 9 - Physical and Chemical Properties

Appearance: liquid

Color: water-white

Odor: Pleasant, to match standard.

pH: 5.75

Flash point: 117° F

Density: not determined

Vapor pressure: 17.6 mm Hg @ 20° C

VOC content: 4.04%

## SECTION 10 - Stability and Reactivity

This product is stable and presents no significant reactivity hazard. It does not react violently with water and no hazardous polymerization will occur. Contact with highly concentrated acids, alkalis or oxidizing agents must be avoided.

Avoid excessive heat, open flames or other sources of ignition.

## SECTION 11 - Toxicology Information

This is a compounded mixture that has not been tested whole on humans or animals. Individual components present at 1% or more have the following acute and/or chronic hazards when tested at 100% concentration:

Acute Hazards: Liquid may be irritating to skin and eyes. Vapor may be irritating to the throat, lungs and pulmonary tract, may irritate the eyes. Repeated contact may cause allergic dermatitis. May be irritating to skin and eyes. This product contains material(s) which are listed in 29 CFR 1910 subpart Z and/or have a TLV established by ACGIH (OEL = 1000 ppm).

Chronic Hazards: not known

This product does not contain carcinogens identified by OSHA, IARC, ACGIH, NTP or other authoritative body.

Oral LD<sub>50</sub> > 2,000 mg/kg (calculated)

## SECTION 12 - Ecological Information

This mixture has not been tested. See Section 16 for any EU hazard classification information.

## SECTION 13 - Disposal Considerations

C51B

Dispose in accordance with local regulations.

#### **SECTION 14 - Transportation Information**

DOT/TDG: Not Regulated  
IATA/ICAO: Not Regulated  
IMO/IMDG: Not Regulated

#### **SECTION 15 - Regulatory Information**

SARA 313 This proprietary mixture contains the following material(s) subject to SARA 313 reporting: NONE

#### **SECTION 16 - Other Information**

All ingredients in the mixture are listed on the US EPA's Inventory of Toxic Substances (TSCA); the EEC's European Inventory of Existing Commercial Chemical Substances (EINECS) or List of Notified Chemical Substances (ELINCS); Environment Canada's Domestic Substances List (DSL) or Non-domestic Substances List (NDSL).

Contains no materials Known by the State of California to cause cancer or reproductive toxicity (Proposition 65).

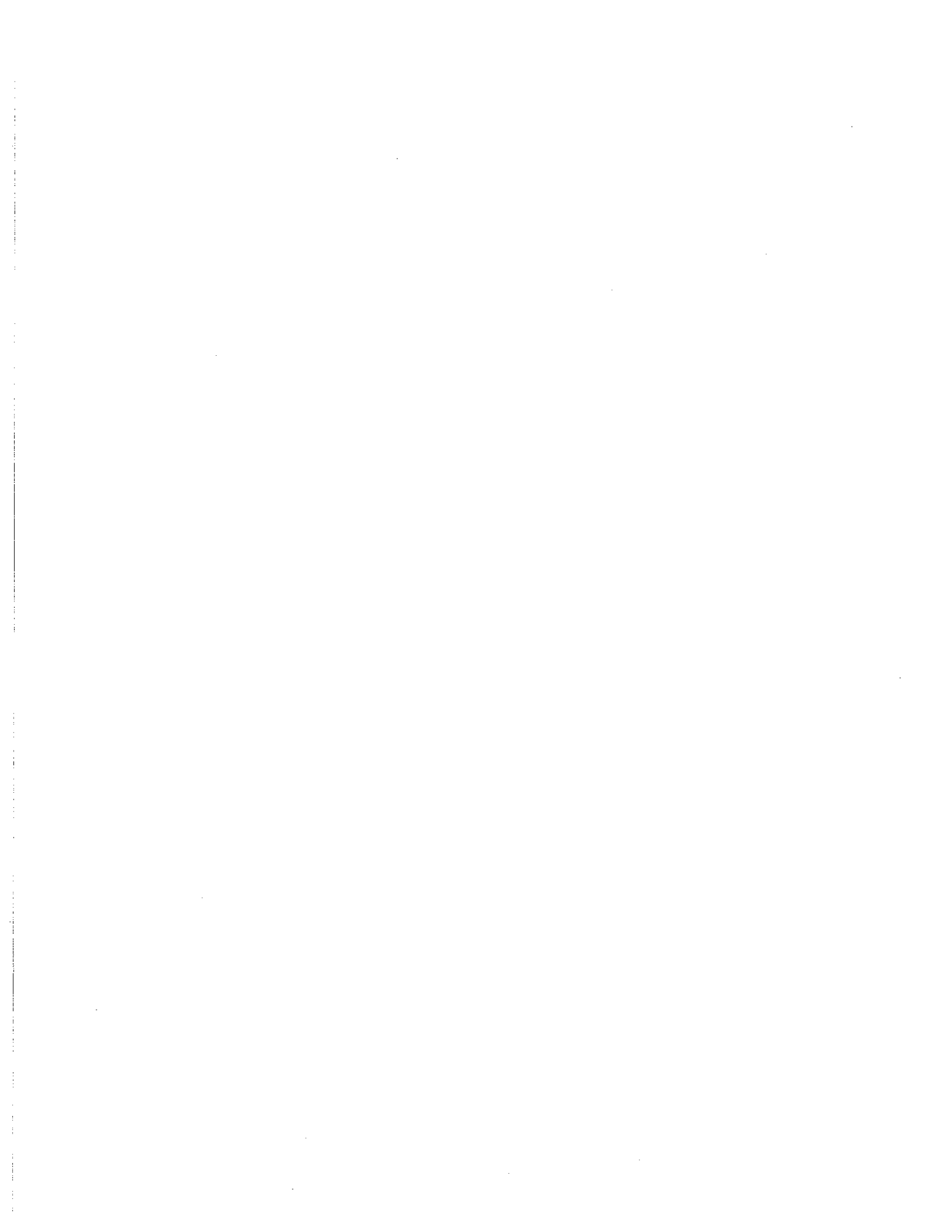
EU Classification: Xi, R41-43

The information documented in this SDS has been obtained from current and reliable sources; however it is provided without any warranty, expressed or implied, about its correctness or accuracy. Since the use, handling and disposal of this product is beyond Truck Mount Forums' control, it becomes the responsibility of the user to determine safe conditions for the use of this product in his own facility and to assume liability for loss, damage or expense resulting from the product's improper use. Federal, State and Municipal government agencies may have specific regulations concerning the use, storage, handling, transportation and disposal of this product that may not be delineated in this SDS. The user should review such regulations and comply accordingly.

Health Hazard = 1 Fire Hazard = 2 Reactivity = 1 Personal Protection = B

Date of issue: March 1, 2016 (initial issue)  
Date revised: not applicable

C51C





# SAFETY DATA SHEET

Supersedes Date: 24-Apr-2017

Revision Date: 24-Apr-2017

Version: 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Label Name                      Urine Neutralizer

### Other means of identification

UPC Code(s)                                Not applicable

Product code                               CS20

Synonyms                                    None

### Recommended use of the chemical and restrictions on use

Recommended Use                        Acid detergent spotter, tannin spotter, and urine neutralizing treatment  
Uses advised against                    Follow label instructions. Not recommended for any use except intended use.

### Supplier's details

Supplier Address  
Bridgepoint Systems  
4282 South 590 West  
Salt Lake City, UT 84123  
USA

Manufacturer Address  
Bridgewater  
4282 South 590 West  
Salt Lake City, UT 84123  
USA

### Emergency telephone number

Company Phone Number                1-800-658-5314  
Company Emergency Phone            United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week)  
Number                                        International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week)  
Emergency telephone                    Poison Control 1-800-222-1222 (24 hour)

## 2. HAZARDS IDENTIFICATION

### Classification

OSHA Regulatory Status  
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

Warning
Hazard Statements Causes skin irritation Causes serious eye irritation

C52A

**Appearance** Clear Liquid**Physical state** liquid**Odor** Apple vinegar**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse

**Hazards not otherwise classified (HNOC)****Other information**

- Causes mild skin irritation

General Hazards

Keep out of reach of children

See Section 11 for additional Toxicological Information

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Citric acid	77-92-9	5 - 10	*
Hydroxyacetic acid	79-14-1	1 - 5	*
Butoxypropanol	5131-66-8	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures for different exposure routes****General advice**

If symptoms persist, call a physician.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact**

Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required.

**Toxic - Inhalation**

Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. Artificial respiration and/or oxygen may be necessary. If symptoms persist, call a physician.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.



**Protection of First-aiders** Use personal protective equipment.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products** No information available.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Advice for emergency responders** For personal protection see section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Packaging material** Keep product in packaging product is initially sold in.

**Incompatible products** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
None			

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and chemical properties**

<b>Physical state</b>	liquid	<b>Odor</b>	Apple vinegar
<b>Appearance</b>	CLEAR LIQUID	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	2.5	
Melting point	No information available	
Boiling point/boiling range	> 100 °C / 212 °F	
Flash Point	> 94 °C / > 201 °F	
Evaporation rate	No information available	

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<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limits in Air</b>		
<b>Upper Flammability Limit</b>	No information available	
<b>Lower Flammability Limit</b>	No information available	
<b>Vapor pressure</b>	17.3	
<b>Vapor density</b>	0.781	(Air = 1.0)
<b>Specific Gravity</b>	1.054	
<b>Water solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Viscosity, kinematic</b>	No information available	200 cps
<b>Viscosity, dynamic</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content(%)</b>	No information available
<b>Density VALUE</b>	No information available
<b>Bulk Density VALUE</b>	No information available

**10. STABILITY AND REACTIVITY**

**Reactivity**

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**      None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Toxic - Inhalation</b>	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. Irritating to eyes.
<b>Skin contact</b>	Avoid contact with skin. Irritating to skin.
<b>Ingestion</b>	Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butoxypropanol 5131-66-8	= 1900 mg/kg ( Rat )		

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Irritating to skin.  
**Eye damage/irritation** Irritating to eyes.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** No information available.  
**Reproductive toxicity** No information available.  
**Developmental Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Avoid repeated exposure.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document**  
**ATEmix (oral)** >5000 mg/kg  
**ATEmix (dermal)** >5000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
None			

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not re-use empty containers.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IMDG** Not regulated

IATA Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL/NDSL Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
None			

**U.S. EPA Label information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

NFPA Health hazard 1 Flammability 1 Instability 0 Physical and chemical hazards -  
HMS Health hazard 1 Flammability 1 Physical Hazard 0 Personal protection X

Prepared By Bridgewater  
 Environmental Health & Safety  
 Revision Date 24-Apr-2017  
 Revision Note  
 No information available

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**Disclaimer**

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Bridgewater LLC to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Bridgewater LLC assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

**End of Material Safety Data Sheet**