

# SAFETY DATA SHEET



Revision Date 01-Jul-2015  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Urine Contamination Treatment  
Product code W.20027

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

Recommended Use Professional Carpet Cleaning  
Restrictions on use Professional Use Only

### 1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

E-mail Address msds@chemspecworld.com

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Serious eye damage/eye irritation	Category 2
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### 2.2 Label elements

#### Signal Word

Warning

#### Hazard Statements

Causes serious eye irritation



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
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 eye irritation persists: Get medical advice/attention

**2.3. Other Hazards Hazards not otherwise classified (HNOC)**

Not Applicable

**2.4 Other information**

Not Applicable

**Unknown Acute Toxicity**

7.600009% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/Information on Ingredients****Substance**

Chemical Name	CAS-No	Weight %
ETHANOL, 2-BUTOXY-	111-76-2	5 - 10
SODIUM (C14-16) OLEFIN SULFONATE	68439-57-6	5 - 10
Propylene glycol	57-55-6	1 - 5
2-(2-BUTOXYETHOXY)ETHANOL	112-34-5	1 - 5
Sodium hydroxide	1310-73-2	< 1

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

**4. First aid measures****4.1 Description of first-aid measures**

<b>General advice</b>	Show this material safety data sheet to the doctor in attendance. If symptoms persist, call a physician.
<b>Eye contact</b>	Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. 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.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water. 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.

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

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

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

**Notes to physician** Treat symptomatically.

## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray Foam Dry powder Use: Dry chemical Carbon dioxide (CO<sub>2</sub>) Alcohol-resistant foam

**Unsuitable Extinguishing Media** None.

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

#### Special Hazard

Hazardous decomposition products formed under fire conditions Contact with water liberates toxic gas Risk of ignition

**Hazardous Combustion Products** No information available.

#### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### 5.3 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

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

Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

### 6.2 Environmental precautions

Dike to collect large liquid spills. 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. See Section 12 for additional Ecological information.

### 6.3 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** Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Do not breathe vapors or spray mist. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

#### Hygiene measures

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

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

**Storage Conditions** Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry

and cool place. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

**Materials to Avoid** Strong oxidizing agents.

## 8. Exposure controls/personal protection

### 8.1 Occupational Exposure Limits (OEL)

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWAEV
ETHANOL, 2-BUTOXY- 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> S*	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm
Propylene glycol 57-55-6	-	-				TWA: 10 mg/m <sup>3</sup> TWA: 50 ppm TWA: 155 mg/m <sup>3</sup>
2-(2-BUTOXYETHOX Y)ETHANOL 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-				
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>

### 8.2 Appropriate engineering controls

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

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

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and body protection** Long sleeved clothing. Chemical resistant apron. Antistatic boots. Impervious gloves.

**Respiratory protection** In case of inadequate ventilation wear respiratory protection.

**Hygiene measures** See section 7 for more information

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Color	gold
Odor	Floral
Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH	6.9	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
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		No information available
Vapor density		No information available
Specific Gravity	1	
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

### 9.2 Other information

Volatile organic compounds (VOC) 16%  
content

## 10. Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

Direct sources of heat. Heat, flames and sparks.

### 10.5 Incompatible Materials

Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological information

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

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

**Unknown Acute Toxicity** 7.600009% of the mixture consists of ingredient(s) of unknown toxicity

<b>Oral LD50</b>	4,483.00 mg/kg
<b>Dermal LD50</b>	16,220.00 mg/kg mg/l
<b>Vapor</b>	122.00 mg/l

#### Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ETHANOL, 2-BUTOXY- 111-76-2	470 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	2310 mg/kg ( Rat )	= 6300 mg/kg ( Rabbit )	-
Propylene glycol 57-55-6	20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	3384 mg/kg ( Rat )	= 2700 mg/kg ( Rabbit )	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-

### 11.2 Information on toxicological effects

#### Skin corrosion/irritation

##### Product Information

- No information available

##### Component Information

- No information available

#### Eye damage/irritation

##### Product Information

- No information available

##### Component Information

- No information available

#### Respiratory or skin sensitization

##### Product Information

- No information available

##### Component Information

- No information available

#### Germ Cell Mutagenicity

##### Product Information

- No information available

##### Component Information

- No information available

#### Carcinogenicity

##### Product Information

- No information available

##### Component Information

- No information available

**Reproductive toxicity**Product Information

- No information available

Component Information

- No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

- May cause adverse liver effects

**Other adverse effects**Target Organs

- Blood
- Central nervous system
- Eyes
- Hematopoietic System
- Kidney
- Liver
- Respiratory system
- Skin

Product Information

- No information available

Component Information

- No information available

**Aspiration hazard**Product Information

- No information available

Component Information

- No information available

## 12. Ecological information

**12.1 Toxicity****Ecotoxicity**

No information available

5.00001 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
ETHANOL, 2-BUTOXY- 111-76-2	-	LC50: 96 h <i>Lepomis macrochirus</i> 1490 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 2950 mg/L	EC50: 48 h <i>Daphnia magna</i> 1000 mg/L
SODIUM (C14-16) OLEFIN SULFONATE 68439-57-6	-	LC50: 96 h <i>Brachydanio rerio</i> 1.0 - 10.0 mg/L static LC50: 96 h <i>Brachydanio rerio</i> 12.2 mg/L semi-static	-
Propylene glycol 57-55-6	EC50: 96 h <i>Pseudokirchneriella</i> <i>subcapitata</i> 19000 mg/L	LC50: 96 h <i>Oncorhynchus mykiss</i> 51600 mg/L static LC50: 96 h <i>Oncorhynchus mykiss</i> 41 - 47 mL/L static LC50: 96 h <i>Pimephales</i> <i>promelas</i> 51400 mg/L static LC50: 96 h <i>Pimephales promelas</i> 710 mg/L	EC50: 48 h <i>Daphnia magna</i> 1000 mg/L Static
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	EC50: 96 h <i>Desmodesmus</i> <i>subspicatus</i> 100 mg/L	LC50: 96 h <i>Lepomis macrochirus</i> 1300 mg/L static	EC50: 48 h <i>Daphnia magna</i> 100 mg/L
Sodium hydroxide 1310-73-2	-	LC50: 96 h <i>Oncorhynchus mykiss</i> 45.4 mg/L static	-

**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
ETHANOL, 2-BUTOXY- 111-76-2	0.81

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No information available

## 13. Disposal Considerations

**13.1 Waste treatment methods**

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

## 14. Transport Information

**DOT** Not regulated

**MEX** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. Regulatory information

**15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL** - Canadian Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and 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

**NZIoC** - New Zealand Inventory of Chemicals



**15.2 U.S. 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 %
ETHANOL, 2-BUTOXY- 111-76-2	1.0
2-(2-BUTOXYETHOXY)ETHANOL 112-34-5	1.0

**15.3 Pesticide Information**

Not applicable

**15.4 U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**16. Other information**

<b>NFPA</b>	<b>Health Hazard</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	<b>Health Hazard</b> 2	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal protection</b> X

**Legend:**

ACGIH (American Conference of Governmental Industrial Hygienists)

Ceiling (C)

DOT (Department of Transportation)

EPA (Environmental Protection Agency)

IARC (International Agency for Research on Cancer)

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG)

NIOSH (National Institute for Occupational Safety and Health)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

PEL (Permissible Exposure Limit)

Reportable Quantity (RQ)

Skin designation (S\*)

STEL (Short Term Exposure Limit)

TLV® (Threshold Limit Value)

TWA (time-weighted average)

**Prepared By**

Chemspec Regulatory Affairs/Product Safety

**Revision Date**

01-Jul-2015

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**