

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Ultimate Carpet Clean With PTEF

**Product Code:** 889XX

### Intended Use of the Product

Cleaner

### Name, Address, and Telephone of the Responsible Party

#### Company

Star brite Inc.

4041 SW 47<sup>th</sup> Avenue

Fort Lauderdale, FL 33314

(954)587-6280

[www.starbrite.com](http://www.starbrite.com)

### Emergency Telephone Number

**Emergency Number** : US: (800) 424-9300; International: (703) 527-3887 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Eye Dam. 1 H318

Full text of H-phrases: see section 16

### Label Elements

#### GHS-US Labeling

**Hazard Pictograms (GHS-US)** :



GHS05

**Signal Word (GHS-US)**

: Danger

**Hazard Statements (GHS-US)**

: H318 - Causes serious eye damage.

**Precautionary Statements (GHS-US)**

: P280 - Wear protective gloves, protective clothing, and eye protection.  
 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 or doctor.  
 P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Benzenesulfonic acid, 2,4-dimethyl-, sodium salt	(CAS No) 827-21-4	5 - 8	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Alcohols, C9-11, ethoxylated	(CAS No) 68439-46-3	2 - 4	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Diethylene glycol monobutyl ether	(CAS No) 112-34-5	2 - 3	Flam. Liq. 4, H227 Eye Irrit. 2A, H319

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Tetrapotassium pyrophosphate	(CAS No) 7320-34-5	2 - 3	Eye Irrit. 2A, H319
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	(CAS No) 68439-57-6	1 - 2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 2, H401
Petroleum distillates, hydrotreated light	(CAS No) 64742-47-8	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
n-Amyl acetate	(CAS No) 628-63-7	< 0.1	Flam. Liq. 3, H226
Isopropyl alcohol	(CAS No) 67-63-0	< 0.1	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

Full text of H-phrases: see section 16

\*The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]. A range of concentration as prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes serious eye damage.

**Inhalation:** May cause irritation to the respiratory tract.

**Skin Contact:** May cause mild skin irritation.

**Eye Contact:** Causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None known.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Dry powder, alcohol-resistant foam, water in large amounts, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire. Burning liquid may float on water.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Product is not flammable, but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not breathe fumes from fires or vapors from decomposition. Do not allow run-off from firefighting to enter drains or water courses.

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**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

### Reference to Other Sections

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all unnecessary exposure.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Evacuate unnecessary personnel. Eliminate ignition sources. Stop leak if safe to do so. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Contact competent authorities after a spill.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

## **SECTION 7: HANDLING AND STORAGE**

### Precautions for Safe Handling

**Additional Hazards When Processed:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Use appropriate personal protection equipment (PPE).

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep cool. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Alkaline products. Halogens.

### Specific End Use(s) Cleaner

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

<b>Diethylene glycol monobutyl ether (112-34-5)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	10 ppm (inhalable fraction and vapor)
<b>Manitoba</b>	OEL TWA (ppm)	10 ppm (inhalable fraction and vapor)
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	10 ppm (inhalable fraction and vapor)
<b>Nova Scotia</b>	OEL TWA (ppm)	10 ppm (inhalable fraction and vapor)
<b>Prince Edward Island</b>	OEL TWA (ppm)	10 ppm (inhalable fraction and vapor)
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>		
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup> (application restricted to conditions in which there are negligible aerosol exposures)
<b>n-Amyl acetate (628-63-7)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	50 ppm
<b>USA ACGIH</b>	ACGIH STEL (ppm)	100 ppm

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<b>USA OSHA</b>	<b>OSHA PEL (TWA) (mg/m<sup>3</sup>)</b>	<b>525 mg/m<sup>3</sup></b>
<b>USA OSHA</b>	<b>OSHA PEL (TWA) (ppm)</b>	<b>100 ppm</b>
<b>USA NIOSH</b>	<b>NIOSH REL (TWA) (mg/m<sup>3</sup>)</b>	<b>525 mg/m<sup>3</sup></b>
<b>USA NIOSH</b>	<b>NIOSH REL (TWA) (ppm)</b>	<b>100 ppm</b>
<b>USA IDLH</b>	<b>US IDLH (ppm)</b>	<b>1000 ppm</b>
<b>Alberta</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>532 mg/m<sup>3</sup></b>
<b>Alberta</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Alberta</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>266 mg/m<sup>3</sup></b>
<b>Alberta</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>British Columbia</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>British Columbia</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Manitoba</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Manitoba</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>New Brunswick</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>532 mg/m<sup>3</sup></b>
<b>New Brunswick</b>	<b>OEL TWA (ppm)</b>	<b>100 ppm</b>
<b>Newfoundland &amp; Labrador</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Newfoundland &amp; Labrador</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Nova Scotia</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Nova Scotia</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Nunavut</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>800 mg/m<sup>3</sup></b>
<b>Nunavut</b>	<b>OEL STEL (ppm)</b>	<b>150 ppm</b>
<b>Nunavut</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>530 mg/m<sup>3</sup></b>
<b>Nunavut</b>	<b>OEL TWA (ppm)</b>	<b>100 ppm</b>
<b>Northwest Territories</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>800 mg/m<sup>3</sup></b>
<b>Northwest Territories</b>	<b>OEL STEL (ppm)</b>	<b>150 ppm</b>
<b>Northwest Territories</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>530 mg/m<sup>3</sup></b>
<b>Northwest Territories</b>	<b>OEL TWA (ppm)</b>	<b>100 ppm</b>
<b>Ontario</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Ontario</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Prince Edward Island</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Prince Edward Island</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Québec</b>	<b>VECD (mg/m<sup>3</sup>)</b>	<b>532 mg/m<sup>3</sup></b>
<b>Québec</b>	<b>VECD (ppm)</b>	<b>100 ppm</b>
<b>Québec</b>	<b>VEMP (mg/m<sup>3</sup>)</b>	<b>266 mg/m<sup>3</sup></b>
<b>Québec</b>	<b>VEMP (ppm)</b>	<b>50 ppm</b>
<b>Saskatchewan</b>	<b>OEL STEL (ppm)</b>	<b>100 ppm</b>
<b>Saskatchewan</b>	<b>OEL TWA (ppm)</b>	<b>50 ppm</b>
<b>Yukon</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>780 mg/m<sup>3</sup></b>
<b>Yukon</b>	<b>OEL STEL (ppm)</b>	<b>150 ppm</b>
<b>Yukon</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>525 mg/m<sup>3</sup></b>
<b>Yukon</b>	<b>OEL TWA (ppm)</b>	<b>100 ppm</b>
<b>Isopropyl alcohol (67-63-0)</b>		
<b>USA ACGIH</b>	<b>ACGIH TWA (ppm)</b>	<b>200 ppm</b>
<b>USA ACGIH</b>	<b>ACGIH STEL (ppm)</b>	<b>400 ppm</b>
<b>USA ACGIH</b>	<b>ACGIH chemical category</b>	<b>Not Classifiable as a Human Carcinogen</b>
<b>USA OSHA</b>	<b>OSHA PEL (TWA) (mg/m<sup>3</sup>)</b>	<b>980 mg/m<sup>3</sup></b>
<b>USA OSHA</b>	<b>OSHA PEL (TWA) (ppm)</b>	<b>400 ppm</b>
<b>USA NIOSH</b>	<b>NIOSH REL (TWA) (mg/m<sup>3</sup>)</b>	<b>980 mg/m<sup>3</sup></b>
<b>USA NIOSH</b>	<b>NIOSH REL (TWA) (ppm)</b>	<b>400 ppm</b>
<b>USA NIOSH</b>	<b>NIOSH REL (STEL) (mg/m<sup>3</sup>)</b>	<b>1225 mg/m<sup>3</sup></b>
<b>USA NIOSH</b>	<b>NIOSH REL (STEL) (ppm)</b>	<b>500 ppm</b>

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<b>USA IDLH</b>	<b>US IDLH (ppm)</b>	<b>2000 ppm (10% LEL)</b>
<b>Alberta</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>984 mg/m<sup>3</sup></b>
<b>Alberta</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Alberta</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>492 mg/m<sup>3</sup></b>
<b>Alberta</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>British Columbia</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>British Columbia</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Manitoba</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Manitoba</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>New Brunswick</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>1230 mg/m<sup>3</sup></b>
<b>New Brunswick</b>	<b>OEL STEL (ppm)</b>	<b>500 ppm</b>
<b>New Brunswick</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>983 mg/m<sup>3</sup></b>
<b>New Brunswick</b>	<b>OEL TWA (ppm)</b>	<b>400 ppm</b>
<b>Newfoundland &amp; Labrador</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Newfoundland &amp; Labrador</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Nova Scotia</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Nova Scotia</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Nunavut</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>1228 mg/m<sup>3</sup></b>
<b>Nunavut</b>	<b>OEL STEL (ppm)</b>	<b>500 ppm</b>
<b>Nunavut</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>983 mg/m<sup>3</sup></b>
<b>Nunavut</b>	<b>OEL TWA (ppm)</b>	<b>400 ppm</b>
<b>Northwest Territories</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>1228 mg/m<sup>3</sup></b>
<b>Northwest Territories</b>	<b>OEL STEL (ppm)</b>	<b>500 ppm</b>
<b>Northwest Territories</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>983 mg/m<sup>3</sup></b>
<b>Northwest Territories</b>	<b>OEL TWA (ppm)</b>	<b>400 ppm</b>
<b>Ontario</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Ontario</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Prince Edward Island</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Prince Edward Island</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Québec</b>	<b>VECD (mg/m<sup>3</sup>)</b>	<b>1230 mg/m<sup>3</sup></b>
<b>Québec</b>	<b>VECD (ppm)</b>	<b>500 ppm</b>
<b>Québec</b>	<b>VEMP (mg/m<sup>3</sup>)</b>	<b>985 mg/m<sup>3</sup></b>
<b>Québec</b>	<b>VEMP (ppm)</b>	<b>400 ppm</b>
<b>Saskatchewan</b>	<b>OEL STEL (ppm)</b>	<b>400 ppm</b>
<b>Saskatchewan</b>	<b>OEL TWA (ppm)</b>	<b>200 ppm</b>
<b>Yukon</b>	<b>OEL STEL (mg/m<sup>3</sup>)</b>	<b>1225 mg/m<sup>3</sup></b>
<b>Yukon</b>	<b>OEL STEL (ppm)</b>	<b>500 ppm</b>
<b>Yukon</b>	<b>OEL TWA (mg/m<sup>3</sup>)</b>	<b>980 mg/m<sup>3</sup></b>
<b>Yukon</b>	<b>OEL TWA (ppm)</b>	<b>400 ppm</b>

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear appropriate personal protective equipment.

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**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Colorless Liquid
Odor	: Characteristic
Odor Threshold	: Not available
pH	: 10.45
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: 100 °C (212 °F)
Flash Point	: Not flammable
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: 1.023
Solubility	: Soluble in water
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Static discharge could act as an ignition source.

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.

**Incompatible materials.**

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers. Alkaline substances. Halogens.

**Hazardous Decomposition Products:** Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Sodium oxides. Nitrogen oxides. Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**ID50 and IC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**pH:** 10.45

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**pH:** 10.45

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

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**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause irritation to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** May cause mild skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye damage. Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None known.

### Information on Toxicological Effects - Ingredient(s)

#### ID50 and IC50 Data:

<b>Benzenesulfonic acid, 2,4-dimethyl-, sodium salt (827-21-4)</b>	
ATE US (oral)	500.00 mg/kg body weight
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
ID50 Oral Rat	1400 mg/kg
ID50 Dermal Rat	> 2 g/kg
<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</b>	
ID50 Oral Rat	2310 mg/kg
ID50 Dermal Rabbit	6300 mg/kg
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
ID50 Oral Rat	3384 mg/kg
ID50 Dermal Rabbit	2700 mg/kg
<b>Tetrapotassium pyrophosphate (7320-34-5)</b>	
ID50 Dermal Rabbit	> 2000 mg/kg
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
ID50 Oral Rat	> 5000 mg/kg
ID50 Dermal Rabbit	> 2000 mg/kg
IC50 Inhalation Rat	> 5.2 mg/l/4h
<b>Isopropyl alcohol (67-63-0)</b>	
ID50 Oral Rat	4710 mg/kg
ID50 Dermal Rabbit	4059 mg/kg
IC50 Inhalation Rat	72600 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Isopropyl alcohol (67-63-0)</b>	
IARC Group	3

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity** No additional information available

<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</b>	
IC50 Fish 1	4.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	4.53 mg/l (Ceriodaphnia sp)
IC 50 Fish 2	12.2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
ErC50 (algae)	5.2 mg/l (Water quality - Marine Algal Growth Inhibition Test with Skeletonema costatum and Phaeodactylum tricorutum)
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
IC50 Fish 1	1300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Tetrapotassium pyrophosphate (7320-34-5)</b>	
IC50 Fish 1	101 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	101 mg/l (Exposure time: 48 h - Species: water flea)
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
IC50 Fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

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IC 50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>n-Amyl acetate (628-63-7)</b>	
IC50 Fish 1	650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>Isopropyl alcohol (67-63-0)</b>	
IC50 Fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	1000 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)
IC 50 Fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	1000 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)

### Persistence and Degradability

<b>Ultimate Carpet Clean With PTEF</b>	
Persistence and Degradability	Not established.

### Bioaccumulative Potential

<b>Ultimate Carpet Clean With PTEF</b>	
Bioaccumulative Potential	Not established.

<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
BCF Fish 1	(no bioconcentration expected)

<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
BCF Fish 1	61 - 159

<b>Isopropyl alcohol (67-63-0)</b>	
Log Pow	0.05 (at 25 °C)

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable.

## **SECTION 14: TRANSPORT INFORMATION**

**In Accordance With ICAO/IATA/DOT/TDG/IMDG**

**UN Number** Not regulated for transport.

**UN Proper Shipping Name** Not regulated for transport.

**Transport Hazard Class(es)** Not regulated for transport.

**Additional Information** Not available

**Marine Pollutant:** No

**Transport by sea** Not regulated for transport.

**Air transport** Not regulated for transport.

## **SECTION 15: REGULATORY INFORMATION**

### US Federal Regulations

<b>Ultimate Carpet Clean With PTEF</b>	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
<b>Benzenesulfonic acid, 2,4-dimethyl-, sodium salt (827-21-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	



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<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.
<b>Tetrapotassium pyrophosphate (7320-34-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>SARA Section 311/312 Hazard Classes</b>	Fire hazard Immediate (acute) health hazard
<b>n-Amyl acetate (628-63-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>Isopropyl alcohol (67-63-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Listed on United States SARA Section 313	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>SARA Section 313 - Emission Reporting</b>	1.0 % (only if manufactured by the strong acid process, no supplier notification)
<b>US State Regulations</b>	
<b>Alcohols, C9-11, ethoxylated (68439-46-3)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>Tetrapotassium pyrophosphate (7320-34-5)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour	
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>n-Amyl acetate (628-63-7)</b>	
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)	
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)	
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities	
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations	
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)	
U.S. - Idaho - Occupational Exposure Limits - TWAs	
U.S. - Louisiana - Reportable Quantity List for Pollutants	
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1	
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2	

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U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity  
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1  
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2  
RTK - U.S. - Massachusetts - Right To Know List  
U.S. - Michigan - Occupational Exposure Limits - TWAs  
U.S. - Michigan - Polluting Materials List  
U.S. - Minnesota - Hazardous Substance List  
U.S. - Minnesota - Permissible Exposure Limits - TWAs  
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New Jersey - Special Health Hazards Substances List  
U.S. - New York - Occupational Exposure Limits - TWAs  
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances  
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour  
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  
U.S. - Oregon - Permissible Exposure Limits - TWAs  
RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Tennessee - Occupational Exposure Limits - TWAs  
U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions  
U.S. - Texas - Effects Screening Levels - Long Term  
U.S. - Texas - Effects Screening Levels - Short Term  
U.S. - Vermont - Permissible Exposure Limits - TWAs  
U.S. - Washington - Permissible Exposure Limits - STELs  
U.S. - Washington - Permissible Exposure Limits - TWAs  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater  
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

### **Isopropyl alcohol (67-63-0)**

U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute  
U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic  
U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)  
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)  
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)  
U.S. - Connecticut - Volatile Substances  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations  
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)  
U.S. - Idaho - Occupational Exposure Limits - TWAs  
RTK - U.S. - Massachusetts - Right To Know List  
U.S. - Massachusetts - Toxics Use Reduction Act  
U.S. - Michigan - Occupational Exposure Limits - STELs  
U.S. - Michigan - Occupational Exposure Limits - TWAs  
U.S. - Minnesota - Hazardous Substance List  
U.S. - Minnesota - Permissible Exposure Limits - STELs  
U.S. - Minnesota - Permissible Exposure Limits - TWAs  
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour  
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual  
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances  
U.S. - New Jersey - Environmental Hazardous Substances List  
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - New Jersey - Special Health Hazards Substances List  
U.S. - New York - Occupational Exposure Limits - TWAs

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U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour  
 U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour  
 U.S. - Oregon - Permissible Exposure Limits - TWAs  
 RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
 RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
 U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour  
 U.S. - Tennessee - Occupational Exposure Limits - STELs  
 U.S. - Tennessee - Occupational Exposure Limits - TWAs  
 U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions  
 U.S. - Texas - Effects Screening Levels - Long Term  
 U.S. - Texas - Effects Screening Levels - Short Term  
 U.S. - Vermont - Permissible Exposure Limits - STELs  
 U.S. - Vermont - Permissible Exposure Limits - TWAs  
 U.S. - Washington - Permissible Exposure Limits - STELs  
 U.S. - Washington - Permissible Exposure Limits - TWAs

### Canadian Regulations

#### Ultimate Carpet Clean With PTEF

WHMIS Classification	Class E - Corrosive Material
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#### Benzenesulfonic acid, 2,4-dimethyl-, sodium salt (827-21-4)

Listed on the Canadian NDSL (Non-Domestic Substances List)

WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### Alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class E - Corrosive Material
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#### Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class E - Corrosive Material Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### Diethylene glycol monobutyl ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

IDL Concentration 1 %

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### Tetrapotassium pyrophosphate (7320-34-5)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification	Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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#### n-Amyl acetate (628-63-7)

Listed on the Canadian DSL (Domestic Substances List)

Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification	Class B Division 2 - Flammable Liquid
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<b>Isopropyl alcohol (67-63-0)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

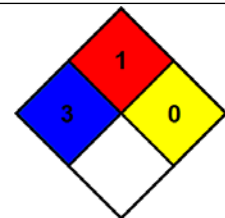
### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 04/14/2015  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

**NFPA Health Hazard** : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.  
**NFPA Fire Hazard** : 1 - Must be preheated before ignition can occur.  
**NFPA Reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



#### Party Responsible for the Preparation of This Document

Star brite Inc.  
(954)587-6280

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*