SECTION 1: IDENTIFICATION

Product Identifier
Product Form: Mixture
Product Name: Ultimate Vinyl Guard w/PTEF
Product Code: 959XX

Intended Use of the Product
Protectant

Name, Address, and Telephone of the Responsible Party

Company
Star brite Inc.
4041 SW 47th Avenue
Fort Lauderdale, FL 33314
(954)587-6280
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): 

Signal Word (GHS-US): Danger


                                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, a doctor.
                                P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. May be corrosive to respiratory tract.

Aquatic Chronic 3 H412
H412 - Harmful to aquatic life with long lasting effects.
P273 - Avoid release to the environment.

Unknown Acute Toxicity (GHS-US): Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,6,8-Trimethyl-4-nonyl polyethylene glycol ether (CAS No) 60828-78-6</td>
<td>4.975 - 14.925</td>
<td>Eye Dam. 1, H318</td>
<td></td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl).alpha.-[3-{1,3,3,3- (CAS No) 67674-67-3</td>
<td>3.4825 - 6.4675</td>
<td>Acute Tox. 4 (Inhalation:dust,mist), H332</td>
<td></td>
</tr>
</tbody>
</table>
**Ultimate Vinyl Guard w/PTEF**

Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
<th>Specific Hazard</th>
<th>Health Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy-</td>
<td>(CAS No) 55348-40-8</td>
<td>0.24875 - 0.74625</td>
<td>Eye Dam. 1, H318 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), alpha.-sulfo-.omega.-[(1,1,3,3-tetramethylbutyl)phenoxy]-, sodium salt</td>
<td>(CAS No) 25322-68-3</td>
<td>0.04975 - 0.4975</td>
<td>Skin Irrit. 2, H315 Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td>(CAS No) 67-63-0</td>
<td>0.04975 - 0.4975</td>
<td>Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>(CAS No) 628-63-7</td>
<td>0.003 - 0.015</td>
<td>Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372</td>
</tr>
<tr>
<td>n-Amyl acetate</td>
<td>(CAS No) 64742-47-8</td>
<td>0.003 - 0.015</td>
<td>Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

**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/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Seek medical attention immediately 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. Get medical advice/attention if you feel unwell.

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

**General:** Causes serious eye damage.

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

**Skin Contact:** May cause 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. May cause irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** None expected under normal conditions of use.

**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:** Powder, alcohol-resistant foam, water spray, carbon dioxide (CO₂).

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

**Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not flammable.

**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. Do not breathe fumes from fires or vapors from decomposition. Do not allow run-off from firefighting to enter drains or water sources.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products: Carbon oxides (CO, CO₂).
Other Information: Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors.
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. Do not breathe vapor, mist or spray.
For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
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
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.

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/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Specific End Use(s): Protectant

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

<table>
<thead>
<tr>
<th>Compound</th>
<th>ACGIH TWA (ppm)</th>
<th>USA ACGIH</th>
<th>USA OSHA</th>
<th>USA OSHA</th>
<th>USA NIOSH</th>
<th>USA NIOSH</th>
<th>USA NIOSH</th>
<th>USA NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td>200 ppm</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>400 ppm</td>
<td>980 mg/m³</td>
<td>1225 mg/m³</td>
<td>500 ppm</td>
<td></td>
</tr>
</tbody>
</table>
### Ultimate Vinyl Guard w/PTEF

**Safety Data Sheet**

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
<td>2000 ppm (10% LEL)</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (mg/m³)</td>
<td>984 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>492 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL STEL (mg/m³)</td>
<td>1230 mg/m³</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (mg/m³)</td>
<td>983 mg/m³</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL STEL (mg/m³)</td>
<td>1228 mg/m³</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (mg/m³)</td>
<td>983 mg/m³</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL STEL (mg/m³)</td>
<td>1228 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (mg/m³)</td>
<td>983 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Québec</td>
<td>VECD (mg/m³)</td>
<td>1230 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VECD (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³)</td>
<td>985 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL STEL (mg/m³)</td>
<td>1225 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (mg/m³)</td>
<td>980 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

### n-Amyl acetate (628-63-7)

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>50 ppm</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>525 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>525 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (TWA) (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>US IDLH (ppm)</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (mg/m³)</td>
<td>532 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (ppm)</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>266 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (ppm)</td>
<td>50 ppm</td>
</tr>
</tbody>
</table>
## Ultimate Vinyl Guard w/PTEF

**Safety Data Sheet**

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

<table>
<thead>
<tr>
<th>Province</th>
<th>OEL STEL (ppm)</th>
<th>OEL TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>British Columbia</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Manitoba</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>532 mg/m³</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Nunavut</td>
<td>800 mg/m³</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>800 mg/m³</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Québec</td>
<td>532 mg/m³</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>100 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>780 mg/m³</td>
<td>150 ppm</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td>200 mg/m³ (application restricted to conditions in which there are negligible aerosol exposures)</td>
<td></td>
</tr>
</tbody>
</table>

### 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 suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>White Emulsion</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>8</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 100 °C (212.0 °F)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 100 °C (212.0 °F)</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.09</td>
</tr>
<tr>
<td>Solubility</td>
<td>Emulsifiable</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>

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. Sources of ignition. Incompatible materials.

Hazardous Decomposition Products: Thermal decomposition generates Carbon oxides (CO, CO₂). Silicon oxides. Formaldehyde. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
pH: 8
Serious Eye Damage/Irritation: Causes serious eye damage.
pH: 8
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
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

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

Symptoms/Injuries After Skin Contact: May cause 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. May cause irritation to the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Dermal Rabbit</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rabbit</th>
<th>LD50 Oral Rat</th>
<th>LC50 Inhalation Rat</th>
<th>LC50 Inhalation Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,6,8-Trimehtyl-4-nonyl polyethylene glycol ether (60828-78-6)</td>
<td>4780 µl/kg</td>
<td>47000 mg/kg</td>
<td>&gt; 20 ml/kg</td>
<td>4710 mg/kg</td>
<td>72600 mg/m³ (Exposure time: 4 h)</td>
<td>72600 mg/m³ (Exposure time: 4 h)</td>
</tr>
<tr>
<td>Poly(oxy-1,2-ethanediyl), .alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy- (67674-67-3)</td>
<td>ATE US (dust, mist)</td>
<td>1.50 mg/l/4h</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polyethylene glycol (25322-68-3)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light (64742-47-8)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Harmful to aquatic life.

Isopropyl alcohol (67-63-0)

| LC50 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) |
| LC 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) |
| n-Amyl acetate (628-63-7) | 650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| Petroleum distillates, hydrotreated light (64742-47-8) | 45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC 50 Fish 2 | 2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

Persistence and Degradability

Ultimate Vinyl Guard w/PTEF

Persistence and Degradability: Not established.

Bioaccumulative Potential

Ultimate Vinyl Guard w/PTEF

Bioaccumulative Potential: Not established.

Isopropyl alcohol (67-63-0)

Log Pow: 0.05 (at 25 °C)
Ultimate Vinyl Guard w/PTEF

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

**Petroleum distillates, hydrotreated light (64742-47-8)**

**BCF Fish 1**

61 - 159

**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:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**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

**Transport by sea** Not regulated for transport

**Marine pollutant:** No

**Air transport** Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

**Ultimate Vinyl Guard w/PTEF**

**SARA Section 311/312 Hazard Classes** Immediate (acute) health hazard

**2,6,8-Trimethyl-4-nonyl polyethylene glycol ether (60828-78-6)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Poly(oxy-1,2-ethanediyl),.alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy- (67674-67-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Poly(oxy-1,2-ethanediyl),.alpha.-sulfo-.omega.-[(1,1,3,3-tetramethylbutyl)phenoxy], sodium salt (55348-40-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Polyethylene glycol (25322-68-3)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on United States SARA Section 313

**EPA TSCA Regulatory Flag** T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

**SARA Section 313 - Emission Reporting** 1.0 % (only if manufactured by the strong acid process, no supplier notification)

**n-Butyl acetate (628-63-7)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**EPA TSCA Regulatory Flag** T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

**Petroleum distillates, hydrotreated light (64742-47-8)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**SARA Section 311/312 Hazard Classes** Fire hazard

Immediate (acute) health hazard

**US State Regulations**

**2,6,8-Trimethyl-4-nonyl polyethylene glycol ether (60828-78-6)**

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term
## Ultimate Vinyl Guard w/PTEF

### Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

### Polyethylene glycol (25322-68-3)

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulations/Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - Minnesota</td>
<td>Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour</td>
</tr>
<tr>
<td>U.S. - New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual</td>
</tr>
<tr>
<td>U.S. - Texas</td>
<td>Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td>U.S. - Texas</td>
<td>Effects Screening Levels - Short Term</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulations/Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California</td>
<td>SCAQMD - Toxic Air Contaminants - Non-Cancer Acute</td>
</tr>
<tr>
<td>U.S. - California</td>
<td>SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic</td>
</tr>
<tr>
<td>U.S. - California</td>
<td>Toxic Air Contaminant List (AB 1807, AB 2728)</td>
</tr>
<tr>
<td>U.S. - Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (30 min)</td>
</tr>
<tr>
<td>U.S. - Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (8 hr)</td>
</tr>
<tr>
<td>U.S. - Connecticut</td>
<td>Volatile Substances</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>RTK - U.S. - Massachusetts</td>
<td>Right To Know List</td>
</tr>
<tr>
<td>U.S. - Massachusetts</td>
<td>Toxics Use Reduction Act</td>
</tr>
<tr>
<td>U.S. - Michigan</td>
<td>Occupational Exposure Limits - STELs</td>
</tr>
<tr>
<td>U.S. - Michigan</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - Minnesota</td>
<td>Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - Minnesota</td>
<td>Permissible Exposure Limits - STELs</td>
</tr>
<tr>
<td>U.S. - Minnesota</td>
<td>Permissible Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour</td>
</tr>
<tr>
<td>U.S. - New Hampshire</td>
<td>Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual</td>
</tr>
<tr>
<td>U.S. - New Jersey</td>
<td>Discharge Prevention - List of Hazardous Substances</td>
</tr>
<tr>
<td>U.S. - New Jersey</td>
<td>Environmental Hazardous Substances List</td>
</tr>
<tr>
<td>RTK - U.S. - New Jersey</td>
<td>Right To Know Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - New Jersey</td>
<td>Special Health Hazards Substances List</td>
</tr>
<tr>
<td>U.S. - New York</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - North Dakota</td>
<td>Air Pollutants - Guideline Concentrations - 1-Hour</td>
</tr>
<tr>
<td>U.S. - North Dakota</td>
<td>Air Pollutants - Guideline Concentrations - 8-Hour</td>
</tr>
<tr>
<td>U.S. - Oregon</td>
<td>Permissible Exposure Limits - TWAs</td>
</tr>
<tr>
<td>RTK - U.S. - Pennsylvania</td>
<td>RTK (Right to Know) - Environmental Hazard List</td>
</tr>
<tr>
<td>RTK - U.S. - Pennsylvania</td>
<td>RTK (Right to Know) List</td>
</tr>
<tr>
<td>U.S. - Rhode Island</td>
<td>Air Toxics - Acceptable Ambient Levels - 1-Hour</td>
</tr>
<tr>
<td>U.S. - Tennessee</td>
<td>Occupational Exposure Limits - STELs</td>
</tr>
<tr>
<td>U.S. - Tennessee</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - Texas</td>
<td>City of Austin - Aerosol Paint and Glue Restrictions</td>
</tr>
<tr>
<td>U.S. - Texas</td>
<td>Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td>U.S. - Texas</td>
<td>Effects Screening Levels - Short Term</td>
</tr>
<tr>
<td>U.S. - Vermont</td>
<td>Permissible Exposure Limits - STELs</td>
</tr>
<tr>
<td>U.S. - Vermont</td>
<td>Permissible Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - Washington</td>
<td>Permissible Exposure Limits - STELs</td>
</tr>
<tr>
<td>U.S. - Washington</td>
<td>Permissible Exposure Limits - TWAs</td>
</tr>
</tbody>
</table>

### n-Amyl acetate (628-63-7)

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulations/Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (30 min)</td>
</tr>
<tr>
<td>U.S. - Connecticut</td>
<td>Hazardous Air Pollutants - HLVs (8 hr)</td>
</tr>
<tr>
<td>U.S. - Delaware</td>
<td>Pollutant Discharge Requirements - Reportable Quantities</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)</td>
</tr>
<tr>
<td>U.S. - Idaho</td>
<td>Occupational Exposure Limits - TWAs</td>
</tr>
<tr>
<td>U.S. - Louisiana</td>
<td>Reportable Quantity List for Pollutants</td>
</tr>
</tbody>
</table>
Ultimate Vinyl Guard w/PTEF

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Petroleum distillates, hydrotreated light (64742-47-8)

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

Canadian Regulations

Ultimate Vinyl Guard w/PTEF

WHMIS Classification | Class E - Corrosive Material

2,6,8-Trimethyl-4-nonyl polyethylene glycol ether (60828-78-6)

WHMIS Classification | Class E - Corrosive Material

Poly(oxy-1,2-ethanediyl), .alpha.-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-.omega.-hydroxy- (67674-67-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification | Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects
Class E - Corrosive Material

03/19/2015 TRTMM.B-CC    EN (English US)  10/12
Ultimate Vinyl Guard w/PTEF

Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Poly(oxy-1,2-ethanediyl), \(\alpha\)-sulfo-\(\omega\)-[(1,1,3,3-tetramethylbutyl)phenoxy]-, sodium salt (55348-40-8)

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

Polyethylene glycol (25322-68-3)

Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification
Uncontrolled product according to WHMIS classification criteria

Isopropyl alcohol (67-63-0)
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

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
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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

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 : 03/19/2015
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:

<table>
<thead>
<tr>
<th>Acute Tox. 3 (Dermal)</th>
<th>Acute toxicity (dermal) Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 3 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 3 (Oral)</td>
<td>Acute toxicity (oral) Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4 (Dermal)</td>
<td>Acute toxicity (dermal) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation:dust,mist)</td>
<td>Acute toxicity (inhalation:dust,mist) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Acute 2</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Acute 3</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 3</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids Category 3</td>
</tr>
<tr>
<td>Flam. Liq. 4</td>
<td>Flammable liquids Category 4</td>
</tr>
</tbody>
</table>
# Ultimate Vinyl Guard w/PTEF

**Safety Data Sheet**

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

<table>
<thead>
<tr>
<th>Property</th>
<th>Category/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irrit.</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens.</td>
<td>Skin sensitization Category 1</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitization Category 1B</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity (repeated exposure) Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H311</td>
<td>Toxic in contact with skin</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H402</td>
<td>Harmful to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

**NFPA Health Hazard**: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

**NFPA Fire Hazard**: 0 - Materials that will not burn.

**NFPA Reactivity**: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

*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.*

North America GHS US 2012 & WHMIS 2