SECTION 1: IDENTIFICATION

Product Identifier
Product Form: Mixture
Product Name: Rub Rail Restorer w/ PTEF
Product Code: 867XX

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)
Skin Sens. 1   H317
Asp. Tox. 1   H304
Full text of H-phrases: see section 16

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Danger
Hazard Statements (GHS-US) :
H304 - May be fatal if swallowed and enters airways.
H317 - May cause an allergic skin reaction.

Precautionary Statements (GHS-US) :
P261 - Avoid breathing vapors, mist, or spray.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P310 - IF SWALLOWED: Immediately call a poison center or doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see section 4 on this SDS).
P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
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. This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease. May contain a small amount of hydrogen sulfide. Hydrogen sulfide is a fatal and highly flammable gas with a rotten egg odor that quickly causes odor fatigue. Heating of this product and storage under elevated temperatures or over long periods of time may release higher amounts of hydrogen sulfide. Hydrogen sulfide is also an asphyxiant.
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Aquatic Acute 3  H402
H402 - Harmful to aquatic life
P273 - Avoid release to the environment.

Unknown Acute Toxicity (GHS-US)  Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Distillates, petroleum, hydrotreated heavy paraffinic</td>
<td>(CAS No) 64742-54-7</td>
<td>60 - 100</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td></td>
<td>Solvent naphtha, petroleum, medium aliphatic</td>
<td>(CAS No) 64742-88-7</td>
<td>5 - 9.5</td>
<td>Flam. Liq. 3, H226  Skin Irrit. 2, H315  Eye Irrit. 2A, H319  STOT SE 3, H336  Asp. Tox. 1, H304  Aquatic Acute 2, H401</td>
</tr>
<tr>
<td></td>
<td>D-Limonene</td>
<td>(CAS No) 5989-27-5</td>
<td>0.1 - 1</td>
<td>Flam. Liq. 3, H226  Skin Irrit. 2, H315  Skin Sens. 1, H317  Asp. Tox. 1, H304  Aquatic Acute 1, H400  Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16
*A range of concentration as prescribed by Controlled Products Regulations has been used where necessary, due to varying composition. 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].

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. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops or persists, seek medical advice/attention.

Ingestion: DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

Most Important Symptoms and Effects Both Acute and Delayed

General: May cause an allergic skin reaction. Aspiration hazard.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause minor eye irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects. The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

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 (CO₂).
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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. Contains a small amount of hydrogen sulfide. Hydrogen sulfide is a fatal and highly flammable gas with a rotten egg odor that quickly causes odor fatigue. Heating of this product and storage under elevated temperatures or over long periods of time may release higher amounts of hydrogen sulfide. Hydrogen sulfide is also an asphyxiant.

Reactivity: May react with strong oxidizers, increasing risk of fire or explosion.

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 courses.

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

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Irritating or toxic 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 eyes and skin contact and do not breathe vapor and mist.

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: Clean 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. If spilled directly onto the ground, remove sufficient soil to ensure material is fully recovered. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

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. Store locked up.


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.

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.
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**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 goggles or safety glasses.

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

**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/Hazy
- **Odor:** Characteristic
- **Odor Threshold:** Not available
- **pH:** Not available
- **Evaporation Rate:** Not available
- **Melting Point:** Not available
- **Freezing Point:** Not available
- **Boiling Point:** > 100 °C (> 212 °F)
- **Flash Point:** > 100 °C (> 212 °F)
- **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:** 0.894 at 20°C
- **Solubility:** Not 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:** Not expected to present an explosion hazard due to static discharge.

**SECTION 10: STABILITY AND REACTIVITY**

- **Reactivity:** May react with strong oxidizers, increasing risk of fire or explosion.
- **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. Incompatible materials.
- **Hazardous Decomposition Products:** Irritating or toxic vapors. Carbon oxides (CO, CO₂). Sulfur oxides. Nitrogen oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Information on Toxicological Effects - Product

- **Acute Toxicity:** Not classified
- **LD50 and LC50 Data:** Not available
- **Skin Corrosion/Irritation:** Not classified
- **Serious Eye Damage/Irritation:** Not classified

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Respiratory or Skin Sensitization: May cause an allergic skin reaction.
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: May be fatal if swallowed and enters airways.
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: May cause minor eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.
Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral Rat</th>
<th>LD50 Dermal Rabbit</th>
<th>LC50 Inhalation Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha, petroleum, medium aliphatic (64742-88-7)</td>
<td>&gt; 5000 mg/kg</td>
<td>3000 mg/kg</td>
<td>&gt; 5.28 mg/l/4h</td>
</tr>
<tr>
<td>D-Limonene (5989-27-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>4400 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>&gt; 5 g/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LC50 and EC50 Data:

<table>
<thead>
<tr>
<th>LC50 Fish 1</th>
<th>LC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])</td>
<td>&gt; 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

D-Limonene (5989-27-5)
IARC Group 3
National Toxicology Program (NTP) Status: Evidence of Carcinogenicity.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecology - General: Harmful to aquatic life.

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)
LC50 Fish 1 > 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1 > 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)

<table>
<thead>
<tr>
<th>LC50 Fish 1</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.619 (0.619 - 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td>&gt; 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

LC 50 Fish 2
35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Persistence and Degradability
Rub Rail Restorer w/ PTEF
Persist and Degradability: Not established.

Bioaccumulative Potential
Rub Rail Restorer w/ PTEF
Bioaccumulative Potential: Not established.

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)

<table>
<thead>
<tr>
<th>BCF Fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>(bioaccumulation expected)</td>
</tr>
</tbody>
</table>
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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.


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

Rub Rail Restorer w/ PTEF
SARA Section 311/312 Hazard Classes
Immediate (acute) health hazard

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

D-Limonene (5989-27-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

D-Limonene (5989-27-5)
U.S. - Maine - Chemicals of High Concern
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Chemicals of High Concern - Persistent Bioaccumulative Toxins
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Rub Rail Restorer w/ PTEF
WHMIS Classification
Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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<table>
<thead>
<tr>
<th>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
<td></td>
</tr>
<tr>
<td>WHMIS Classification</td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solvent naphtha, petroleum, medium aliphatic (64742-88-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
<td></td>
</tr>
</tbody>
</table>
| WHMIS Classification | Class B Division 3 - Combustible Liquid  
Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

<table>
<thead>
<tr>
<th>D-Limonene (5989-27-5)</th>
<th></th>
</tr>
</thead>
</table>
| Listed on the Canadian DSL (Domestic Substances List)  
Listed on the Canadian IDL (Ingredient Disclosure List) |  |
| IDL Concentration | 1 % |
| 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 : 06/04/2015

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:**

| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H226 | Flammable liquid and vapor |
| H304 | May be fatal if swallowed and enters airways |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H400 | Very toxic to aquatic life |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

**NFPA Health Hazard** : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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

Starbrite®

Phone Number: (954)587-6280

06/04/2015 FROTT-CC  
EN (English US)
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