1. Identification

Product Name: LSPR PENETRANT
Product Identifier: 273920
Product Use/Class: Lubricant/Aerosol
Supplier: Rust-Oleum Corporation
Manufacturer: Rust-Oleum Corporation
Preparer: Regulatory Department
Emergency Telephone: 24 Hour Hotline: 847-367-7700

2. Hazard Identification

EMERGENCY OVERVIEW: May cause eye, skin, or respiratory tract irritation. Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Contents Under Pressure. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Causes eye irritation. Use ventilation necessary to keep exposures below recommended exposure limits, if any. Vapor Harmful. Causes Eye, Skin, Nose, and Throat Irritation.

Classification

Symbol(s) of Product

GHS HAZARD STATEMENTS
Flammable Aerosol, category 1 H222 Extremely flammable aerosol.
Flammable Liquid, category 1 H224 Extremely flammable liquid and vapour.
Acute Toxicity, Oral, category 5 H303 May be harmful if swallowed.
Acute Toxicity, Dermal, category 5 H313 May be harmful in contact with skin.
Skin Irritation, category 2 H315 Causes skin irritation.
Eye Irritation, category 2 H319 Causes serious eye irritation.
Acute Toxicity, Inhalation, category 4 H332 Harmful if inhaled.
STOT, single exposure, category 3, RTI H335 May cause respiratory irritation.
STOT, single exposure, category 3, NE H336 May cause drowsiness or dizziness.
Aspiration Hazard, category 2 H305 May be harmful if swallowed and enters airways.
Eye Irritation, category 2B H320 Causes eye irritation.
Flammable Aerosol, category 1 H280 Contains gas under pressure; may explode if heated

GHS PRECAUTIONARY STATEMENTS
P211 Do not spray on an open flame or other ignition source.
P220 Keep/Store away from clothing/...combustible materials.
Keep cool.
Pressurized container: Do not pierce or burn, even after use.
Fight fire remotely due to the risk of explosion.
Keep out of reach of children.
Read label before use.
Do not handle until all safety precautions have been read and understood.
Keep only in original container.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wash ... thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.
Use only personal protective equipment as required.

In case of inadequate ventilation wear respiratory protection.
Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse cautiously with water for several minutes.
Fight fire with normal precautions from a reasonable distance.
Store in a dry place.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/.../ equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use ... for extinction.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to ...
Specific treatment (see ... on this label).
Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
IF ON SKIN: Gently wash with plenty of soap and water.

3. Composition/Information On Ingredients

HAZARDOUS SUBSTANCES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. % Range</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severely Hydrotreated Heavy Naphthenic Petroleum Oil</td>
<td>64742-52-5</td>
<td>25-50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liquefied Petroleum Gas</td>
<td>68476-86-8</td>
<td>10-25</td>
<td>GHS02-GHS06</td>
<td>H226-331</td>
</tr>
<tr>
<td>kerosene</td>
<td>8008-20-6</td>
<td>10-25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aliphatic Petroleum Distillates</td>
<td>64741-88-4</td>
<td>2.5-10</td>
<td>GHS06</td>
<td>H331</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>2.5-10</td>
<td>GHS02-GHS06</td>
<td>H225-310</td>
</tr>
<tr>
<td>Polyisobutylene</td>
<td>9003-27-4</td>
<td>1.0-2.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SULFURIZED FATTY OIL</td>
<td>61790-49-6</td>
<td>0.1-1.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. First-aid Measures

FIRST AID - EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids open. Get medical attention. Do NOT allow rubbing of eyes or keeping eyes closed.

FIRST AID - SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Do NOT use mouth-to-mouth resuscitation.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention. If swallowed, get medical attention.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Alcohol Film Forming Foam, Carbon Dioxide, Dry Chemical, Dry Sand, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLASH POINT IS LESS THAN 20 °. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat due to buildup of steam. No unusual fire or explosion hazards noted.

SPECIAL FIREFIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance. Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Use water spray to keep fire-exposed containers cool. Containers may explode when heated.

6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Ventilate area, isolate spilled material, and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with local, state, and federal regulations.

7. Handling and Storage

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing fumes, vapors, or mist. Remove contaminated clothing and launder before reuse. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Contents under pressure. Do not store above 120 ° F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 ° F. Product should be stored in tightly sealed containers and protected from heat, moisture, and foreign materials. Store in a dry, well ventilated place. Keep container tightly closed when not in use. Keep away from heat, sparks, flame and sources of ignition. Avoid excess heat.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight % Less Than</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH TLV-STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severely Hydrotreated Heavy Naphthenic Petroleum Oil</td>
<td>64742-52-5</td>
<td>50.0</td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td>N.E.</td>
</tr>
<tr>
<td>Liquefied Petroleum Gas</td>
<td>68475-86-8</td>
<td>20.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>kerosene</td>
<td>8008-20-6</td>
<td>20.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Aliphatic Petroleum Distillates</td>
<td>64741-88-4</td>
<td>10.0</td>
<td>5.0 mg/m3</td>
<td>N.E.</td>
<td>5.0 mg/m3</td>
<td>N.E.</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>5.0</td>
<td>400 ppm</td>
<td>N.E.</td>
<td>400 ppm</td>
<td>N.E.</td>
</tr>
<tr>
<td>Polyisobutylene</td>
<td>9003-27-4</td>
<td>5.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>Fatty acids, tallow, Me esters, chlorinated</td>
<td>68440-29-9</td>
<td>1.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>SULFURIZED FATTY OIL</td>
<td>61790-49-6</td>
<td>1.0</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>
PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application. Refer to safety supervisor or industrial hygienist for further guidance regarding types of personal protective equipment and their applications.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Aerosolized Mist</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent Like</td>
</tr>
<tr>
<td>Relative Density</td>
<td>0.810</td>
</tr>
<tr>
<td>Freeze Point, °C</td>
<td>N.D.</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Negligible</td>
</tr>
<tr>
<td>Decomposition Temp., °C</td>
<td>No Information</td>
</tr>
<tr>
<td>Boiling Range, °C</td>
<td>-34 - 200</td>
</tr>
<tr>
<td>Flammability</td>
<td>Supports Combustion</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Faster than Ether</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Heavier than Air</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>N.E.</td>
</tr>
<tr>
<td>pH</td>
<td>N.A.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N.D.</td>
</tr>
<tr>
<td>Partition Coefficient, n-octanol/ water</td>
<td>No Information</td>
</tr>
<tr>
<td>Explosive Limits, vol%</td>
<td>N.I. - N.I.</td>
</tr>
<tr>
<td>Flash Point, °C</td>
<td>-96</td>
</tr>
<tr>
<td>Auto-ignition Temp., °C</td>
<td>No Information</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N.D.</td>
</tr>
</tbody>
</table>

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

CONDITIONS TO AVOID: Avoid temperatures above 120 ° F. Avoid all possible sources of ignition. Avoid contact with strong acid and strong bases.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition, it emits acrid smoke and irritating fumes. Contains solvents which may form carbon monoxide, carbon dioxide, and formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. Toxicological Information

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes Serious Eye irritation
EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. Allergic reactions are possible.
EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing fumes, spray, vapors, or mist. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.
EFFECTS OF OVEREXPOSURE - INGESTION: Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.
EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Contains Petroleum Distillates-Heavy Paraffinic, which is listed as an IARC Group 1 Carcinogen. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and blurred vision) and/or damage.
PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact
ACUTE TOXICITY VALUES

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

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>8008-20-6</td>
<td>kerosene</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>&gt;5.28 mg/L Rat</td>
</tr>
<tr>
<td>64741-88-4</td>
<td>Aliphatic Petroleum Distillates</td>
<td>&gt;5000 mg/kg Rat</td>
<td>&gt;2000 mg/kg Rabbit</td>
<td>2.18 mg/L Rat</td>
</tr>
<tr>
<td>141-78-6</td>
<td>Ethyl Acetate</td>
<td>5620 mg/kg Rat</td>
<td>&gt;20 mL/kg Rabbit</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. - No Information

12. Ecological Information

ECOLOGICAL INFORMATION: Product is a mixture of listed components. Product is a mixture of listed components.

13. Disposal Information

DISPOSAL INFORMATION: Dispose of material in accordance to local, state, and federal regulations and ordinances. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems.

14. Transport Information

<table>
<thead>
<tr>
<th>Domestic (USDOT)</th>
<th>International (IMDG)</th>
<th>Air (IATA)</th>
<th>TDG (Canada)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number:</td>
<td>1950</td>
<td>1950</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

Proper Shipping Name: Paint Products in Limited Quantities

Hazard Class: N.A.

Packing Group: N.A.

Limited Quantity: Yes

15. Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Pressure Hazard, Acute Health Hazard, Chronic Health Hazard

Sara Section 313:

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

No Sara 313 components exist in this product.

Toxic Substances Control Act:

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

No TSCA components exist in this product.
**Inventory Information**

<table>
<thead>
<tr>
<th>Country</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA (TSCA)</td>
<td>No Information</td>
</tr>
<tr>
<td>Canada (DSL)</td>
<td>No Information</td>
</tr>
<tr>
<td>Mexico (INSQ)</td>
<td>No Information</td>
</tr>
<tr>
<td>Europe (EINECS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Japan (ENCS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Philippines (PICCS)</td>
<td>No Information</td>
</tr>
<tr>
<td>China (IECSC)</td>
<td>No Information</td>
</tr>
<tr>
<td>Australia (AICS)</td>
<td>No Information</td>
</tr>
<tr>
<td>Korea (KECI)</td>
<td>No Information</td>
</tr>
<tr>
<td>New Zealand (NZIOC)</td>
<td>No Information</td>
</tr>
</tbody>
</table>

**CALIFORNIA PROPOSITION 65:**

Warning: This product contains a substance known to the State of California to cause cancer.

No Proposition 65 Carcinogens exist in this product.

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS**

Warning: This product contains a substance known to the State of California to cause birth defects or other reproductive harm.

No Proposition 65 Reproductive Toxins exist in this product.

**International Regulations:**

**CANADIAN WHMIS:**

This SDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**16. Other Information**

**HMIS RATINGS**

- Health: 2
- Flammability: 4
- Physical Hazard: 1
- Personal Protection: B

**CANADIAN WHMIS CLASS:** B2 D2A

**NFPA RATINGS**

- Health: 2
- Flammability: 4
- Instability: 0

**VOLATILE ORGANIC COMPOUNDS, g/L:** 724

**MSDS REVISION DATE:** 9/15/2014

**REASON FOR REVISION:** No Information

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

- H225: Highly flammable liquid and vapour.
- H226: Flammable liquid and vapour.
- H310: Fatal in contact with skin.
- H331: Toxic if inhaled.
Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02

GHS06

Rust-Oleum Corporation believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Rust-Oleum Corporation makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users’ consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.