

SAFETY DATA SHEET

Section 1: Product and Company Identification

Product Name: RUST BUSTER® Rust Penetrant
Product Code: 79706
Product Use: Loosens rusted bolts, screws, shafts, piping and all types of "frozen" connections and assemblies.
Supplier: LA-CO Industries, Inc.
 1201 Pratt Boulevard
 Elk Grove Village, IL.
 60007-5746
 E-mail Contact: customer_service@laco.com
Phone: (847) 956-7600
Fax: (847) 956-9885
24-hour Emergency: CHEMTREC: (800) 424-9300

Section 2: Hazards Identification

GHS Classification: Aspiration Toxicity Category 1
Regulation (EC) No 1272/2008

Hazard statements: Danger.
 May be fatal if swallowed and enters airways.
 Combustible liquid.

Pictograms:



Precautionary statements: Keep out of reach of children. Keep away from flames and hot surfaces. No smoking.
 IF SWALLOWED: Call a POISON CENTER or doctor/physician immediately. Do NOT induce vomiting.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

European Union (EU): This substance is classified as dangerous according to Annex 1 of Directive 67/548/EEC.



Harmful: may cause lung damage if swallowed.

U.S.A.: USA: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Canada: This is a controlled product under WHMIS. Classification B3 – Combustible Liquid.



B3

Section 3: Composition / Information on Ingredients

| <u>Chemical Name</u> | <u>CAS No.</u> | <u>Wt. %</u> | <u>EINECS / ELINCS</u> | <u>Symbol</u> | <u>Risk Phrases</u> |
|---|----------------|--------------|------------------------|---------------|---------------------|
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 100 | 265-149-8 | Xn | R65 |

See Section 16 for the full text of the R-phrases above.

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Section 4: First Aid Measures

Inhalation: If symptoms are experienced, remove source of contamination or have victim move to fresh air. Obtain medical advice.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes while holding the eyelids open. If irritation persists, obtain medical attention

Skin Contact: No health effects expected. If irritation does occur flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. **DO NOT INDUCE VOMITING.** If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

Section 5: Fire Fighting Measures

Flammable Properties: Combustible liquid. NFPA Class-III. Flashpoint: 66°C (150°F) ASTM D-56
 Liquid can float on water and may travel to distant locations and/or spread fire. Containers may rupture violently when exposed to fire or excessive heat for sufficient time.

Suitable extinguishing Media: For small fires, use dry chemicals, carbon dioxide, appropriate foam, or inert gas (nitrogen). For large fires, use appropriate foam, water fog, or water spray. Water can be used to cool fire-exposed containers.

Unsuitable extinguishing Media: DO NOT use a solid stream of water directly on the fire as the water may spread the fire.

Explosion Data

Sensitivity to Mechanical Impact: Not applicable

Sensitivity to Static Discharge: Not applicable

Specific Hazards arising from the Chemical: If involved in a fire, combustion may produce toxic and irritating fumes and gases. Carbon dioxide, carbon monoxide, smoke, fumes, and/or unburned hydrocarbons. This material releases vapors when heated above ambient temperatures. Vapors can cause a flash fire. Vapors can travel to a source of ignition and flashback. A vapor and air mixture can create an explosion hazard in confined spaces such as sewers. If container is not properly cooled, it can rupture in the heat of a fire.

Protective Equipment and precautions for firefighters: Self-contained breathing apparatus and protective clothing should be worn. Remove all unprotected personnel. Withdraw immediately from the area if there is a rising sound from a venting safety device or discoloration of containers. Burning liquid will float on water.

NFPA

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| Health: | 1 |
| Flammability: | 2 |
| Instability: | 0 |

Section 6: Accidental Release Measures

Personal Precautions: Shut off or extinguish all sources of ignition. Avoid contact with skin and eyes. Ventilate the area. Monitor the workplace air for harmful concentrations of vapors and take appropriate precautions if concentrations in air exceed workplace exposure limits.

Environmental Precautions: Bulk releases are not anticipated under normal conditions. Prevent the liquid from entering sewers or waterways.

Methods for Containment: Stop the leak if it is safe to do so.

Methods for Clean-up: Clean up spills immediately. Absorb spilled material with dry earth, sand, or other non-combustible absorbent material and transfer to appropriate, covered and labeled waste containers. Dispose of unusable product as described in Section 13 of this SDS.

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Section 7: Handling and Storage

- Handling:** Do not ingest. Avoid breathing vapors. Avoid contact with skin and eyes. Do not use near hot surfaces or flames. No smoking. Keep out of reach of children.
- Storage:** Store out of direct sunlight and away from heat, flames and ignition sources. Keep containers tightly closed when not in use. Store locked up.

Section 8: Exposure Controls/Personal Protection

Exposure Guidelines

| Ingredient | ACGIH TLV (8-hr. TWA) | U.S. OSHA PEL (8-hr. TWA) | Ontario (Canada) TWA-EV | UK OEL (8-hr. TWA) |
|---|-------------------------------|------------------------------|-------------------------------|-----------------------|
| Kerosenes/jet fuel-as total hydrocarbon vapor | 200 mg/m ³ Skin | Not available | 200 mg/m ³ Skin | Not available |

Exposure Controls

Engineering Controls: Provide adequate ventilation to keep vapor concentrations below the exposure limits listed above.

Personal Protection

Eye/Face Protection: Not required for normal use. Safety glasses equipped with side shields are recommended as minimum protection in industrial settings.

Skin Protection: Not required for normal use. Wear heavy duty gloves made of nitrile rubber or Viton when needed to prevent repeated or prolonged skin contact.

Respiratory Protection: Not required for normal use. Use of this material in spaces without adequate ventilation may result in generation of hazardous levels of flammable vapors. In workplaces where vapor concentrations exceed the occupational exposure guidelines wear an appropriate respirator.

General Hygiene Measures: Wash hands with plenty of mild soap and water before eating, drinking, smoking, use of toilet facilities or leaving work. DO NOT use gasoline, kerosene, solvents or harsh abrasives as skin cleaners. If product comes in contact with clothing, immediately remove soaked clothing and shower. Promptly remove and discard contaminated leather goods.

Section 9: Physical and Chemical Properties

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| Physical State: | Liquid; 118.3 mL (4 fl. oz) | Flash Point & method: | 66°C (150°F) ASTM D-56 |
| Appearance, Color and Odor: | Clear, colorless; hydrocarbon odor. | Ignition Temperature: | 230°C (446° F) (typical values for kerosenes) |
| Odor Threshold: | Not available | Flammability Limits in Air: | Lower: 0.8 vol. % Upper: 6 vol. % |
| pH: | Not applicable | Vapor Pressure: | 0.07 kPa (0.5 mm Hg) @ 20° C ASTM D-2879) |
| Specific Gravity: | Not available | Vapor Density: | Not applicable |
| Partition coefficient: | Not available | Evaporation Rate: | Not applicable |
| Solubility: | Very slightly soluble in cold water (<0.1 % w/w) | Boiling Point/Range: | 192 to 205° C (378 to 401° F) |
| Viscosity: | Not applicable | Melting Point: | Not available |
| Decomposition Temperature: | Not available | VOC Content: | 794 g/L VOC (w/v) |

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Section 10: Stability and Reactivity

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| Chemical Stability: | Stable at normal room temperature. |
| Conditions to Avoid: | Do not use in conditions of extreme heat or near open flames. |
| Incompatible Materials: | Incompatible with strong acids, alkalis, and oxidizers such as liquid chlorine and oxygen. |
| Hazardous Decomposition Products: | Not applicable |
| Possibility of Hazardous Reactions: | Not applicable |

Section 11: Toxicological Information

Acute Health Effects:

Relevant Route(s) of Exposure: Inhalation, Skin contact, Eye contact.

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| Inhalation: | This product does not easily form a vapor; inhalation exposure is unlikely to occur, unless this material is heated or misted. Exposures to high vapor or mist concentrations can cause respiratory tract irritation and central nervous system depression. Symptoms of central nervous system (CNS) depression include dizziness, headache, nausea, fatigue, vomiting and loss of coordination. |
| Ingestion: | Not an expected route of exposure with normal use of the product. Harmful if aspirated into the lungs during swallowing and vomiting. Aspiration into the lungs may cause pulmonary edema, a life-threatening condition; symptoms of pulmonary edema may be delayed several hours. |
| Skin: | Product can cause mild to moderate skin irritation when in contact with skin, particularly when contact is prolonged. |
| Eye: | Direct contact with the liquid may cause irritation. |

Chronic Health Effects:

Repeated or prolonged skin contact may cause dermatitis, with redness, blisters, cracking and swelling of the skin.
 Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction. Ingestion is not an expected route of exposure when product is used for its intended purpose.

Medical Conditions Aggravated by Exposure:

Repeated skin contact may aggravate an existing dermatitis.
 Disorders of the Respiratory System, Liver, Kidneys and Central Nervous System (CNS) may be aggravated by over-exposure to this material.

Interactions With Other Chemicals:

Not available

Acute Toxicity Data

| <u>Chemical Name</u> | <u>LD₅₀ Oral</u> (mg/kg) | <u>LD₅₀ Dermal</u> (mg/kg) | <u>LC₅₀ Inhalation</u> (4 hrs.) |
|---|--|--|---|
| Distillates (petroleum), hydrotreated light | >5 000 (rat) | >2 000 (rabbit) | >2 mg/L (rat) |

Chronic Toxicity Data

Carcinogenicity:

This product is not known to contain any components at concentrations above 0.1% which are considered carcinogenic by OSHA, IARC or NTP.
 ACGIH designates Distillates (petroleum), hydrotreated light as A3 – confirmed animal carcinogen with unknown relevance to humans. IARC: (International Agency for Research on Cancer) evaluation for distillate light fuel oils (including kerosenes) lists this substance in Group 3 – The agent is not classifiable as to carcinogenicity in humans.

Sensitization:

No evidence of skin sensitization effect in animal studies.

Neurological Effects:

Repeated and prolonged occupational over-exposure to solvents has been associated with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome").

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Section 11: Toxicological Information, continued

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| Genetic Effects: | No evidence of genotoxicity based on <i>in vivo</i> and <i>in vitro</i> studies. |
| Reproductive Effects: | Not available |
| Developmental Effects: | Not classified as a developmental toxin. In animal studies, toxic effects on the offspring were reported at doses that also caused maternal toxicity. |
| Target Organ Effects: | Long-term exposures to petroleum distillates by ingestion or inhalation may cause damage to the following organs: kidneys, lungs, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea. |

Section 12: Ecological Information

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| Ecotoxicity: | This product contains components that are potentially toxic to aquatic and marine organisms. |
| Persistence/Degradability: | This product will normally float on water. Components will evaporate. The octanol-water partition coefficient (log K_{ow}) for this product is expected to be in the range of 2.1 to 5. |
| Bioaccumulation/Accumulation: | Not available |
| Mobility: | Not available |

Section 13: Disposal Considerations

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| Waste Disposal Method: | Do NOT dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. The conditions of use, storage and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, LA-CO Industries, Inc. does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. |
| USA: | Dispose of in accordance with local, state and federal laws and regulations. |
| Canada: | Dispose of in accordance with local, provincial and federal laws and regulations. |
| EU: | Waste must be disposed of in accordance with relevant EU Directives and national, regional and local environmental control regulations. For disposal within the EU, the appropriate code according to the European Waste Catalogue (EWC) should be used. |

Section 14: Transport Information:

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| U.S. Hazardous Materials Regulation (DOT 49CFR): | Not regulated, this product conforms to small quantity exception of DOT 49CFR173.4. |
| Canadian Transportation of Dangerous Goods (TDG): | This material can be shipped as a "Consumer Commodity" as per part 1.17 of the TDG Regulations. Shipment from Canada to the US may transport as per TDG Regulations (49 CFR Part 171.12a). |
| ADR/RID: | Ship as Consumer Commodity |
| IMDG: | UN1268, PETROLEUM DISTILLATES, N.O.S., Class 3, PG III FP 66°C, LTD QTY, EmS F-E, <u>S-E</u> |
| Marine Pollutants: | Not applicable |
| ICAO/IATA: | Consumer Commodity, 9, ID8000 May be carried under the provisions for dangerous goods in limited quantities. |

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Section 15: Regulatory Information

USA

TSCA Status: All component substances are listed on the TSCA inventory.

SARA Title III
 Sec. 302/304: None
 Sec. 311/312: Flammable; Acute Health; Chronic Health
 Sec. 313: Not applicable
 CERCLA RQ: Not applicable

California Prop 65: Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

WHMIS Classification: B3 – Combustible Liquid

NSNR: All component substances are listed on Canada's Domestic Substances List (DSL).

NPRI Substances: Hydrotreated light distillate: Part 5 Substance

EU Classification for the Substance

European Inventories: All component substances are listed in EINECS.

R65: Harmful: may cause lung damage if swallowed.
 S2: Keep out of reach of children.
 S23: Do not breathe fumes, vapours or spray.
 S24: Avoid contact with skin.
 S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Section 16: Other Information

NFPA Hazard Rating



Full Text of R-phrases in Section 2: R65: Harmful: may cause lung damage if swallowed.

Preparation Information:

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 www.lehder.com

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