MATERIAL SAFETY DATA SHEET

Radiator Specialty Company

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POISON INFORMATION & EMERGENCY: 303-623-5716

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.

US DEPARTMENT OF LABOR

Occupational Safety and Health Administration. (Non-Mandatory Form) Form Approved OMB No. 1218-0072

SECTION I GENERAL INFORMATION

PRODUCT NAME

LIQUID WRENCH® SUPER PENETRANT (AEROSOL)

PART NUMBER

L1 - 06, 12

NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| COMPONENT | WT% | C.A.S. NO. | TLV (ACGIHXOSHA) |
|-----------------------------------|------------------------|-------------------------------------|--|
| Aliphatic Petroleum Distillate | 85-90 | 8008-20-6 | 100 ppm (Air) |
| Petroleum Mineral Oil | 6-10 | 64741-44-2 | 5 mg/m³ (Mist) |
| Carbon Dioxide (Propellant) | 2-5 | 124-38-9 | 5000 ppm (Air) |
| Warning: This product co | ntains a chemical knov | vn to the State of California to ca | ause cancer and birth defects or other |

Warning: This product contains a chemical known to the State of California to cause cancer and pirth defects of other reproductive harm.

Comments: N.F.P.A. LEVEL 3 AEROSOL

Components not identified are non-hazardous according to 29 CFR 1910.1200

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1) .805 N/A Hydrocarbons Solubility in Water Insoluble Solubility in Solvent Flash Point (Method) - F⁰ 132°F (TCC) % Volatiles By Wt. 90% Boiling Point - F Greater than 300° Melting Point - Fº N/A Vapor Density (Air=1) N/A Vapor Pressure (mmHg) Evaporation Rate (Butyl Acetate=1) N/A Appearance and Odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Caution: COMBUSTIBLE!

Water Fog Foam X CO₂ X Dry Chemical X

SPECIAL FIRE FIGHTING PROCEDURES. Wear self-contained, positive pressure breathing apparatus and protective clothes. Water spray to cool containers. Shield to protect from venting, rupturing or bursting cans.

UNUSUAL FIRE AND EXPLOSION HAZARDS At elevated temperatures, containers may vent, rupture or burst, even violently.

L-1aero

SECTION V REACTIVITY DATA

| Stable X | Unstable | Corrosive NO | Hazardous Polymerization? Yes | No X |
|---|---------------------|--------------|-------------------------------|------|
| Incompatibilitie | es Strong oxidizers | | | |
| Hazardous Decomposition or Byproducts Fire: Normal products of combustion, smoke, carbon dioxide, carbon monoxide, Sulfur Trioxide. | | | | |

SECTION VI HEALTH HAZARD INFORMATION

| Recommended TLV of Product 5 mg/m³ (Mist) Petroleum Mineral Oil | | | | | |
|---|---|---|--|--|--|
| EYE CONTACT | Irritant | SKIN CONTACT Irritant. Prolonged exposure can cause dermatitis. | | | |
| INHALATION respiratory and li | Excessive inhalation can cause dizziness, ung irritation. | INGESTION HARMFUL OR FATAL IF SWALLOWED! Can cause gastric disturbance, nausea. Aspiration can lead to lung irritation. | | | |
| OTHER | N/A | | | | |

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

| EYE CONTACT Flush with water for at least 15 minutes thoroughly, while lifting eyelids. If adverse effects persist, get medical attention immediately. | | | | |
|--|---|--|--|--|
| SKIN CONTACT Wash with soap and water thoroughly. Remove contaminated clothing and launder before reuse. | | | | |
| INHALATION Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, apply artificial respiration. Get medical attention. | | | | |
| INGESTION ADRENALINE! | DO NOT INDUCE VOMITING! Get medical attention immediately! DO NOT ADMINISTER EPINEPHRINE OR | | | |

SECTION VIII SPECIAL PROTECTION INFORMATION

| | CONSUMER | BULK HANDLING (Prolonged Exposure) |
|------------------------|--------------------------------|---|
| RESPIRATORY PROTECTION | N/A | Use NIOSH approved self-contained respirator. |
| | Use with adequate ventilation. | General |
| VENTILATION | | |
| | N/A | Wear fully protective goggles or face shield. |
| EYE PROTECTION | | |
| PROTECTIVE | N/A | Solvent-resistant gloves and apron. |
| CLOTHING | | |

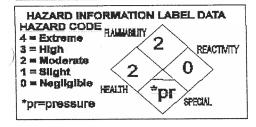
SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE Observing health hazards described above remove ignition sources, ventilate area. Confine spill, wipe up with rags, transfer to waste drum.

WASTE DISPOSAL METHOD Dispose of in accordance with all applicable government laws and regulations.

STORAGE AND HANDLING PRECAUTIONS KEEP AWAY FROM IGNITION SOURCE AND OXIDIZERS! Store in a cool place.

OTHER PRECAUTIONS WEARING CONTACT LENSES IS INADVISABLE! DO NOT PUNCTURE OR INCINERATE CONTAINERS. KEEP AWAY FROM CHILDREN AND ANIMALS!



Supersedes NOV 1998

OSHA Revised JUNE 2000

Title R. GEER - CHEMIST

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