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

Comments:

PRODUCT NAME
LIQUID WRENCH® SUPER PENETRANT (POUR)
L1 04, 04V, 04N, 08, 16, 32, 34, 40, 49

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 (ACGIH----OSHA----)

Aliphatic Petroleum
Distillate 89-90 8008-20-6 100 ppm (Air)

Petroleum Mineral Oil 9-11 64742-06-9 5 mg/m3

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

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

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Not applicable 0.805 Specific Gravity (H₂O=1) Solubility in Solvent Petroleum Solubility in Water Insoluble 90% % Volatiles By Wt. Flash Point (Method) - F 132° (TCC) Boiling Point - F⁰ 320° Melting Point - Fº N/A Vapor Density (Air=1) N/A N/A Vapor Pressure (mmHg) Evaporation Rate (Butyl Acetate=1) Dark liquid with petroleum odor. Appearance and Odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: COMBUSTIBLE!
Water Fog Foam xx CO₂ xx Dry Chemical xx

SPECIAL FIRE FIGHTING PROCEDURES. Wear self-contained, positive pressure breathing apparatus and protective clothes.

UNUSUAL FIRE AND EXPLOSION HAZARDS KEEP AWAY FORM IGNITION SOURCES AND OPEN FLAME.

L-1pour

SECTION V REACTIVITY DATA

Stable xx	Unstable	Corrosive NO	Hazardous Polymerization? Yes	No	xx		
Incompatibilitie	es Strong oxidizers						
Hazardous Decomposition or Byproducts Fire: normal products of combustion, smoke, carbon dioxide, carbon monoxide and Sulfur Trioxides.							

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product 100 ppm (Air) Aliphatic Petroleum Distillate						
EYE CONTACT	Irritant	SKIN CONTACT Irritant. Prolonged exposure can cause dermatitis.				
INHALATION	Excessive inhalation can cause dizziness,	INGESTION HARMFUL OR FATAL IF SWALLOWED! Can cause				
respiratory and	ung irritation.	gastric disturbances, nausea. Aspiration can lead to lung irritation.				

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT Flush with water for 15 minutes thoroughly, while lifting the 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 DO NOT INDUCE VOMITING! Get medical attention immediately. DO NOT ADMINISTER EPINEPHRINE OR ADRENALINE!

SECTION VIII SPECIAL PROTECTION INFORMATION

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

SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURE Observing health hazards described above, ventilate area, remove ignition sources, confine spill, wipe with rags and 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 SOURCES AND OXIDIZERS!! Store in a cool place.

OTHER PRECAUTIONS WEARING CONTACT LENSES IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS!

HAZARD INFORMATION LABEL DATA

HAZARD CODE FLAMMABILITY
4- Extreme
3- High
2- Moderate
1- Slight
0- Negligible

HEALTH

SPECIAL

Supersedes NOV 1998

OSHA Revised OCTOBER 2001

Title R. GEER - CHEMIST

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification.

