

# MATERIAL SAFETY DATA SHEET

## Radiator Specialty Company

1900 WILKINSON BLVD. CHARLOTTE, NC 28208 (704) 377-6555

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 (ACGIH---X---OSHA-----)
Aliphatic Petroleum Distillate	85-90	8008-20-6	100 ppm (Air)
Petroleum Mineral Oil	6-10	64741-44-2	5 mg/m <sup>3</sup> (Mist)
Carbon Dioxide (Propellant)	2-5	124-38-9	5000 ppm (Air)

Warning: This product contains a chemical known to the State of California to cause cancer and birth defects or 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 (H <sub>2</sub> O=1)	.805	pH	N/A
Solubility in Water	Insoluble	Solubility in Solvent	Hydrocarbons
Flash Point (Method) - F <sup>o</sup>	132 <sup>o</sup> F (TCC)	% Volatiles By Wt.	90%
Melting Point - F <sup>o</sup>	N/A	Boiling Point - F <sup>o</sup>	Greater than 300 <sup>o</sup>
Vapor Pressure (mmHg)	N/A	Vapor Density (Air=1)	N/A
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 CO<sub>2</sub> 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
Incompatibilities 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/m <sup>3</sup> (Mist) Petroleum Mineral Oil						
EYE CONTACT	Irritant	SKIN CONTACT Irritant. Prolonged exposure can cause dermatitis.						
INHALATION	Excessive inhalation can cause dizziness, respiratory and lung 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	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 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!

**HAZARD INFORMATION LABEL DATA**

HAZARD CODE

4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Negligible

\*pr=pressure

HEALTH REACTIVITY SPECIAL

Supersedes NOV 1998

OSHA Revised JUNE 2000

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.*