

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	ACE HARDWARE LUB-E SUPER LUBRICANT PENETRANT (AEROSOL)
PART NUMBER	AC2-12

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-XXX---OSHA-----)
Aliphatic Petroleum Distillate	65-75	8052-41-3	100 ppm (Air)
2-Butoxy-1-Ethanol*	1-2	111-76-2	25 ppm (Skin)
Naphthenic Petroleum Oil Mixture	20-30	64742-53-6/64742-52-5	5mg/m ³ (Mist)
Carbon Dioxide (Propellant)	3-5	124-38-9	5000 ppm (Air)

* THIS CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313, SARA TITLE III
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 ₂ O=1)	0.807	pH	N/A
Solubility in Water	Insoluble	Solubility in Solvent	Petroleum
Flash Point (Method) - F ^o	Greater than 100 ^o F (TCC)	% Volatiles By Wt.	73%
Melting Point - F ^o	N/A	Boiling Point - F ^o	Greater than 300 ^o
Vapor Pressure (mm Hg)	N/A	Vapor Density (Air=1)	N/A
Evaporation Rate (Butyl Acetate=1)	N/A		
Appearance and Odor	Clear light yellow brown with sweet vanilla odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:	Caution: COMBUSTIBLE!		
Water Fog	Foam X	CO ₂ 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.			

Stable XX	Unstable	Corrosive	NO	Hazardous Polymerization? Yes	No XX
Incompatibilities Oxidizing agents and acids.					
Hazardous Decomposition or Byproducts Fire: normal products of combustion, carbon monoxide, carbon dioxide, smoke and Nitrogen and Sulfur Oxides.					

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product	5mg/m ³ (Mist) Naphthenic Petroleum Oil Mixture				
EYE CONTACT	Irritant. Can cause permanent damage with overexposure.	SKIN CONTACT	Irritant. Prolonged exposure can cause dryness, dermatitis.		
INHALATION	Excessive inhalation can cause respiratory and lung irritation. Narcosis.	INGESTION	HARMFUL OR FATAL IF SWALLOWED! Can cause gastric disturbance, nausea.		
OTHER Caution: CONTENTS UNDER PRESSURE!					

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush with water for at least 15 minutes thoroughly while lifting eyelids. Consult a physician immediately.				
SKIN CONTACT	Wash with soap and water thoroughly. Remove contaminated clothing and launder before re use.				
INHALATION	Move to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, apply artificial respiration. Consult a physician.				
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	If TLV is exceeded, wear NIOSH approved
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 or dry absorbent, transfer to waste drum
WASTE DISPOSAL METHOD	Dispose of in accordance with all applicable government laws and regulations.
STORAGE AND HANDLING PRECAUTIONS	Store in a cool place away from oxidizers and acids. KEEP AWAY FROM OPEN FLAME AND SPARK!
OTHER PRECAUTIONS	WEARING CONTACT LENSES IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS! DO NOT PUNCTURE OR INCINERATE CONTAINERS!!

HAZARD INFORMATION LABEL DATA

HAZARD CODE

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

*pr=pressure

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Title R. GEER - CHEMIST

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