

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 FIRE @ QUICK STARTING FLUID
PART NUMBER M39-11

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-----)
Diethyl Ether	33-37	60-29-7	400 ppm
Aliphatic Petroleum Distillate	63-67	142-82-5	400 ppm
Petroleum Dewaxed Heavy Paraffinic Oil	1	64742-65-0	5mg/m ³ (Mist)
Carbon Dioxide (Propellant)	4-8	124-38-9	5000 ppm

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)	0.70	pH	6 - 8
Solubility in Water	Greater than 2%	Solubility in Solvent	Petroleum, Ether
Flash Point (Method) - F°	Less than 0° (TCC)	% Volatiles By Wt.	Greater than 99%
Melting Point - F°	NDA	Boiling Point - F°	94° F
Vapor Pressure (mmHg)	NDA	Vapor Density (Air=1)	Less than 1
Evaporation Rate (Butyl Acetate=1)	NDA		
Appearance and Odor	Colorless volatile liquid.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Caution: EXTREMELY FLAMMABLE!
Water Fog Foam XXX CO₂ XXX Dry Chemical XXX

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

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

M39aero

SECTION V REACTIVITY DATA

Stable	XXX	Unstable	Corrosive	NO	Hazardous Polymerization?	Yes	No	XXX
Incompatibilities		High temperatures, oxidizing agents, acids and alkalis.						
Hazardous Decomposition or Byproducts		Fire: normal products of combustion carbon monoxide, carbon dioxide and acrid smoke.						

SECTION VI HEALTH HAZARD INFORMATION

Recommended TLV of Product	5mg/m ³ (Mist) Petroleum-Dewaxed Heavy Paraffinic Solvent							
EYE CONTACT	Irritant. Defatting.				SKIN CONTACT	Irritant. Defatting.		
INHALATION	May cause headache, dizziness, narcosis, over-exposure: unconsciousness				INGESTION	HARMFUL OR FATAL IF SWALLOWED!		
OTHER	CAUTION: EXTREMELY FLAMMABLE!							

SECTION VII EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush with water thoroughly for at least 15 minutes while lifting eyelids. Consult 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 is difficult, apply artificial respiration. Get medical attention immediately.							
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 self-contained breathing apparatus.
VENTILATION	Use with adequate ventilation.	Local
EYE PROTECTION	Goggles	Splash-proof safety 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, flush with water and 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	Store in a cool place below 120°F. away from acids, ignition sources and oxidizing agents.							
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 FLAMMABILITY REACTIVITY

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

HEALTH 2 4 2 SPECIAL

*p=pressure

Supersedes AUGUST 1996

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Title R. GEER - CHEMIST

While Radco 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.