# 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

	2.1.0.110	TLV (ACGIHOSHA)
WT%	C.A.S. NO.	
33-37	60-29-7	400 ppm •
63-67	142-82-5	400 ppm
	64742-65-0	5mg/m³ (Mist)
4-8	124-38-9	5000 ppm
	WT% 33-37 63-67	33-37 60-29-7 63-67 142-82-5 1 64742-65-0

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

### SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

SECTION III PHYSICAL  Specific Gravity (H <sub>2</sub> O=1)  Solubility in Water  Flash Point (Method) - F <sup>0</sup> Melting Point - F <sup>0</sup> Vapor Pressure (mmHg)  Evaporation Rate (Butyl Acc	0.70 Greater than 2% Less than 0° (TCC) NDA NDA NDA otate=1) NDA	pH Solubility in Solvent	Greater than 99% 94°F	•
Appearance and Odor	Colorless volatile liquid.			

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

SECTION IV FIRE AND	APLOSIGITIA					
EXTINGUISHING MEDIA: Water Fog	Caution: EXTREM	MELY FLAMN	XXX XXX	Dry Chemical	XXX	
Water Tog						_

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

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

#### SECTION V REACTIVITY DATA

Stable	XXX	Unstable	Corrosive	NO	Hazardous Polymerization? Yes	No XX
Incomp	atibilitles	High temperatures, ox	idizing agents, aci	ds and alk	alis.	
Hazard acrid sn		position or Byproducts	Fire: normal p	oroducts of	combustion carbon monoxide, carbon	dioxide and

#### SECTION VI HEALTH HAZARD INFORMATION

EYE CONTACT		SKIN CONTAC	T
	Irritant, Defatting.		Irritant, Defatting.
INHALATION narcosis, over-e	May cause headache, dizziness, xposure: unconsciousness	INGESTION	HARMFUL OR FATAL IF SWALLOWED!
OTHER	CAUTION: EXTREMELY FLAMMABLE!		

#### SECTION VILEMERGENCY AND FIRST AID PROCEDURES

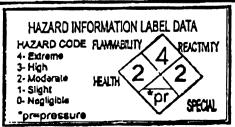
<b>V</b>	I EMERGENCY AND FIRST AID PROCEDURES	
EYE CONTACT	Flush with water thoroughly for at least 15 minutes while lifting eyelids. Consult physician immediately.	
SKIN CONTAC	T Wash with soap and water thoroughly. Remove contaminated clothing and launder before re use.	<b>F</b> .
INHALATION	Move to 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

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!



Supersades AUGUST 1996

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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 tine data and we expressly disclaim at kability for reseasce thereon. The data is affered solely for information, investigation, and verification