

# 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** THRUST® QUICK STARTING FLUID  
**PART NUMBER** M38 -15

**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	23.5-27.5	60-29-7	400 ppm
Aliphatic Petroleum Distillate	71-78	142-82-5	400 ppm
Petroleum Dewaxed Heavy Paraffinic Oil	1	64742-65-0	5 mg/m <sup>3</sup> (Mist)
Carbon Dioxide (Propellant)	1-5	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

<b>Specific Gravity (H<sub>2</sub>O=1)</b>	0.67-0.70	<b>pH</b>	6 - 7
<b>Solubility in Water</b>	2.5%	<b>Solubility in Solvent</b>	Petroleum, Ether
<b>Flash Point (Method) - F<sup>o</sup></b>	-15 <sup>o</sup> (TCC)	<b>% Volatiles By Wt.</b>	99%
<b>Melting Point - F<sup>o</sup></b>	NDA	<b>Boiling Point - F<sup>o</sup></b>	NDA
<b>Vapor Pressure (mmHg)</b>	NDA	<b>Vapor Density (Air=1)</b>	NDA
<b>Evaporation Rate (Butyl Acetate=1)</b>	NDA		
<b>Appearance and Odor</b>	Colorless volatile liquid.		

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

**EXTINGUISHING MEDIA:** Caution: EXTREMELY FLAMMABLE!  
**Water Fog** Foam XXX CO<sub>2</sub> 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.

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

### SECTION VI HEALTH HAZARD INFORMATION

<b>Recommended TLV of Product</b>	400 ppm Aliphatic Petroleum Distillate		
<b>EYE CONTACT</b>	Irritant.	<b>SKIN CONTACT</b>	Irritant.
<b>INHALATION</b>	May cause headache, dizziness, narcosis, over-exposure: unconsciousness	<b>INGESTION</b>	HARMFUL OR FATAL IF SWALLOWED!
<b>OTHER</b>	CAUTION: EXTREMELY FLAMMABLE!		

### SECTION VII EMERGENCY AND FIRST AID PROCEDURES

<b>EYE CONTACT</b>	Flush with water thoroughly for at least 15 minutes while lifting eyelids. Consult physician immediately.
<b>SKIN CONTACT</b>	Wash with soap and water thoroughly. Remove contaminated clothing and launder before re use.
<b>INHALATION</b>	Move to fresh air. If breathing is difficult, apply artificial respiration. Get medical attention immediately.
<b>INGESTION</b>	DO NOT INDUCE VOMITING! Get medical attention immediately. DO NOT ADMINISTER EPINEPHRINE OR ADRENALINE!

### SECTION VIII SPECIAL PROTECTION INFORMATION

	CONSUMER	BULK HANDLING (Prolonged Exposure)
<b>RESPIRATORY PROTECTION</b>	N/A	If TLV is exceeded, wear NIOSH approved self-contained breathing apparatus.
<b>VENTILATION</b>	Use with adequate ventilation.	Local
<b>EYE PROTECTION</b>	Goggles	Splash-proof safety goggles or face shield.
<b>PROTECTIVE CLOTHING</b>	N/A	Solvent-resistant gloves and apron.

### SECTION IX PRECAUTIONS FOR SAFE HANDLING AND USE

<b>SPILL OR LEAK PROCEDURE</b>	Observing health hazards described above, remove ignition sources, ventilate area, flush with water and wipe up with rags. Transfer to waste drum.
<b>WASTE DISPOSAL METHOD</b>	<i>Dispose of in accordance with all applicable government laws and regulations.</i>
<b>STORAGE AND HANDLING PRECAUTIONS</b>	Store in a cool place below 120°F. away from acids, ignition sources and oxidizing agents.
<b>OTHER PRECAUTIONS</b>	WEARING CONTACT LENSES IS INADVISABLE! DO NOT PUNCTURE OR INCINERATE CONTAINERS! KEEP AWAY FROM CHILDREN AND ANIMALS!

**HAZARD INFORMATION LABEL DATA**

<p>HAZARD CODE FLAMMABILITY</p> <p>4- Extreme</p> <p>3- High</p> <p>2- Moderate</p> <p>1- Slight</p> <p>0- Negligible</p> <p>*pr=pressure</p>	
	<p>REACTIVITY</p> <p>4</p> <p>2</p> <p>SPECIAL</p>

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Title R. GEER - CHEMIST

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