

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

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

|  |                               |     |                 |     |
|--|-------------------------------|-----|-----------------|-----|
| <b>EXTINGUISHING MEDIA:</b>  | Caution: EXTREMELY FLAMMABLE! |     |                 |     |
| Water Fog  | Foam                          | XXX | CO <sub>2</sub> | XXX |
|  |                               |     | Dry Chemical    | XXX |
| <b>SPECIAL FIRE FIGHTING PROCEDURES.</b> 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. |                               |     |                 |     |
| <b>UNUSUAL FIRE AND EXPLOSION HAZARDS CONTENTS UNDER PRESSURE!</b> At elevated temperatures containers may vent, rupture or burst, even violently.   |                               |     |                 |     |

**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  |  | 400 ppm Aliphatic Petroleum Distillate |              |  |  |                                |  |  |
| EYE CONTACT   |  |  | SKIN CONTACT |  |  |                                |  |  |
| Irritant.   |  |  | Irritant.    |  |  |                                |  |  |
| INHALATION  |  |  | INGESTION    |  |  | HARMFUL OR FATAL IF SWALLOWED! |  |  |
| May cause headache, dizziness, narcosis, over-exposure: unconsciousness |  |  |              |  |  |                                |  |  |
| 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.<br>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            | <i>Dispose of in accordance with all applicable government laws and regulations.</i>   |  |
| 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!<br>KEEP AWAY FROM CHILDREN AND ANIMALS!                           |  |

| HAZARD INFORMATION LABEL DATA |              |
|-------------------------------|--------------|
| HAZARD CODE                   | FLAMMABILITY |
| 4- Extreme                    | 4            |
| 3- High                       | 2            |
| 2- Moderate                   | 2            |
| 1- Slight                     | *pr          |
| 0- Negligible                 |              |
| *pr=pressure                  |              |

Supersedes AUGUST 1996

OSHA Revised JANUARY 1999

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.*

