

# MATERIAL SAFETY DATA SHEET

## Radiator Specialty Company

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POISON INFORMATION &amp; 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**

|                     |   |
|---------------------|---|
| <b>PRODUCT NAME</b> | MASTER MECHANIC DOT 3 STANDARD HEAVY DUTY BRAKE FLUID . |
| <b>PART NUMBER</b>  | CT4412, CT4412/12, CT4432                               |

**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-----) |
|-----------------------------------|-------|-------------|---------------------------|
| Polyglycol Ethers and Ployglycols | 92-99 | PROPRIETARY | NDA                       |

**NOTE:** Our suppliers consider product composition to be proprietary. Reportable components have been reported to EPA chemical substance inventory as required by TSCA.

**Comments:**

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) | 0.95 - 1.0   | pH                             | 8.5 - 10  |
| Solubility in Water                   | Soluble  | Solubility in Solvent          | Alcohols  |
| Flash Point (Method) - F <sup>o</sup> | 300 <sup>o</sup> F. (COC)                          | % Volatiles By Wt.             | Not known |
| Melting Point - F <sup>o</sup>        | Does not apply                                     | Boiling Point - F <sup>o</sup> | 410 - 450 |
| Vapor Pressure (mmHg)                 | Not known  | Vapor Density (Air=1)          | Not known |
| Evaporation Rate (Butyl Acetate=1)    | Not known  |                                |           |
| Appearance and Odor                   | Light, yellow to dark amber liquid with mild odor. |                                |           |

**SECTION IV FIRE AND EXPLOSION HAZARD DATA****EXTINGUISHING MEDIA:**

|           |    |      |    |                 |    |              |    |
|-----------|----|------|----|-----------------|----|--------------|----|
| Water Fog | XX | Foam | XX | CO <sub>2</sub> | XX | Dry Chemical | XX |
|-----------|----|------|----|-----------------|----|--------------|----|

**SPECIAL FIRE FIGHTING PROCEDURES.** Wear self-contained, positive pressure breathing apparatus and protective clothes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS** None known

### SECTION V REACTIVITY DATA

|  |          |  |                               |       |
|--|----------|--|-------------------------------|-------|
| 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 dioxide, carbon monoxide and smoke |                               |       |

### SECTION VI HEALTH HAZARD INFORMATION

|                            |   |              |  |  |
|----------------------------|---|--------------|--|--|
| Recommended TLV of Product | Not established.  |              |  |  |
| EYE CONTACT                | Irritant  | SKIN CONTACT | Mildly irritating on prolonged exposure.                             |  |
| INHALATION                 | Excessive inhalation of mist or fumes may cause irritation of mucous membranes. | INGESTION    | HARMFUL IF SWALLOWED!<br>May cause stomach cramps, nausea, diarrhea. |  |
| OTHER                      | N/A   |              |  |  |

### SECTION VII EMERGENCY AND FIRST AID PROCEDURES

|              |   |  |  |  |
|--------------|---|--|--|--|
| EYE CONTACT  | Flush with water for at least 15 minutes thoroughly while lifting eyelids. If adverse effects persist, 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   |  |  |  |
| INGESTION    | Drink two glasses of water. INDUCE VOMITING! Get medical attention. Consult a physician immediately.                                    |  |  |  |

### SECTION VIII SPECIAL PROTECTION INFORMATION

|                        | CONSUMER                        | BULK HANDLING (Prolonged Exposure) |
|------------------------|---------------------------------|------------------------------------|
| RESPIRATORY PROTECTION | N/A                             | Not required.                      |
| VENTILATION            | Use with adequate ventilation . | General                            |
| EYE PROTECTION         | N/A                             | Goggles.                           |
| PROTECTIVE CLOTHING    | N/A                             | Not required.                      |

### 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 away from acids, ignition sources and oxidizing agents.  |
| OTHER PRECAUTIONS                | WEARING CONTACT LENSES IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS!  |

|                               |                             |
|-------------------------------|-----------------------------|
| HAZARD INFORMATION LABEL DATA |                             |
| HAZARD CODE                   | FLAMMABILITY 1 REACTIVITY 1 |
| HEALTH 1                      | SPECIAL 1                   |
| 4- Extreme                    |                             |
| 3- High                       |                             |
| 2- Moderate                   |                             |
| 1- Slight                     |                             |
| 0- Negligible                 |                             |

Supersedes

DEC 1994

OSHA Revised AUG 1996

Title K. PHILLIPS-CHEMIST

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