



Safety Data Sheet

Issue Date: 01-Jan-2009

Revision Date: 23-Dec-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Tri-Cool MD-1

Other means of identification

SDS # MD-1

Recommended use of the chemical and restrictions on use

Recommended Use Machining Coolant.

Details of the supplier of the safety data sheet

Trico Corporation
1235 Hickory Street
Pewaukee, WI 53072

Emergency Telephone Number

Company Phone Number 1-262-646-7579
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White to yellow liquid

Physical State Liquid

Odor Mild

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|----------------------|-------------|-------------|
| Proprietary Base Oil | Proprietary | Proprietary |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|--------------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | Wash with soap and water. |
| Inhalation | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel |
| unwell. Ingestion | Do not induce vomiting. Seek medical attention. |

Most important symptoms and effects

| | |
|-----------------|--|
| Symptoms | Harmful if inhaled. May cause skin irritation in persons with allergies to detergents. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical and carbon dioxide. Foam and water fog are effective but may cause frothing. Cool fire exposed containers and structures with water.

Unsuitable Extinguishing Media Water or foam may cause frothing.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon oxides.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protective equipment as required.
- Other Information** ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Environmental Precautions** See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

- Methods for Containment** Collect using an inert absorbent material and place in appropriate containers for disposal.
- Methods for Clean-Up** Flush area with water. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Conditions for safe storage, including any incompatibilities

- Storage Conditions** Do not store near excessive heat or oxidizers. DO NOT FREEZE.
- Incompatible Materials** Strong acids. Oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------|--|---|---------------------------------------|
| Proprietary Base Oil | TWA: 5 mg/m ³ (oil mist) STEL: 10 mg/m ³ (oil mist) | TWA: 5mg/m ³ (oil mist) STEL: none estab. | TWA: none estab. STEL: none estab. |

Appropriate engineering controls

- Engineering Controls** Local exhaust ventilation recommended.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Not usually necessary under conditions of normal use. Avoid contact with eyes.
- Skin and Body Protection** Not usually necessary under conditions of normal use. Avoid contact with skin.
- Respiratory Protection** Not usually necessary under conditions of normal use. Avoid breathing dust/fume/gas/mist/vapors/spray.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|------------------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Mild |
| Appearance | White to yellow liquid | Odor Threshold | Not determined |
| Color | White to yellow | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|----------------|-------------------------|
| pH | Not determined | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | >575°F | |
| Flash Point | > 500 °F | Tag Closed Cup |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Not determined | |
| Upper Flammability Limits | Not determined | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | .92 | |
| Water Solubility | Not soluble | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Do not store near excessive heat or oxidizers. DO NOT FREEZE. Incompatible Materials.

Incompatible Materials

Strong acids. Oxidizers.

Hazardous Decomposition Products

Thermal decomposition may yield oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

| | |
|---------------------|--------------------------|
| Skin Contact | Avoid contact with skin. |
| Inhalation | Harmful by inhalation. |
| Ingestion | Do not taste or swallow. |

Component Information

Not established.

Information on physical, chemical and toxicological effects

| | |
|-----------------|--|
| Symptoms | Please see section 4 of this SDS for symptoms. |
|-----------------|--|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|------------------------|--|
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
|------------------------|--|

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No data available.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

No EPA Waste Numbers are applicable for this product's components

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations

California Proposition 65

None.

U.S. State Right-to-Know Regulations

| Chemical Name | Rhode Island | Pennsylvania |
|----------------------|--------------|--------------|
| Proprietary Base Oil | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NFPA | Health Hazards | Flammability | Instability | Special Hazards |
| | Not determined | Not determined | Not determined | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 1 | 1 | 0 | B |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet