

**MATERIAL SAFETY DATA SHEET
TRIM® MIST**

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name TRIM® MIST

Material type Synthetic Misting Fluid

Classification/synonym(s) Chemical Fluid/Synthetic Fluid

Product use Coolant and lubricant in metal removal processes

Manufacturer address MASTER CHEMICAL CORPORATION
501 West Boundary
Perrysburg, OH 43551-1200

Emergency telephone 419-874-7902 **Fax number** 419-874-0684

2. COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENT | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOM. | CAS # | %RANGE |
|------------------|---------------------|----------------------|------------------------------------|--------------|---------------|
| Triethanolamine | none | 5mg/m ³ | none | 102-71-6 | 5-15 |
| Monoethanolamine | 3ppm | 3ppm | none | 141-43-5 | 1-10 |

The exact chemical identities and percentages of the raw materials used in TRIM® MIST are trade secrets. This information is being withheld as provided for in the Occupational Safety and Health Administration's Hazard Communication Rule (29 CFR 1910.1200).

3. HAZARDS IDENTIFICATION

Emergency overview Light yellow liquid
No immediate hazard
Fire may produce oxides of carbon, nitrogen, and sulfur

POTENTIAL HEALTH EFFECTS

| | | |
|--|-----------------|--|
| Acute effects of overexposure | Eye Contact | Transient irritation |
| | Skin Contact | Possible defatting, nonirritant, nonsensitizer |
| | Inhalation | Nontoxic |
| | Ingestion | Nontoxic |
| | Skin Absorption | Nontoxic |

**Chronic effects of
overexposure** None currently known

**Product/Ingredients listed as
carcinogen or potential carcinogen?** **NTP Annual Report** No **IARC Monographs** No
OSHA No

Signs and symptoms of exposure None

Medical conditions generally aggravated by exposure None known

4. FIRST AID MEASURES

| | | |
|---|------------|--|
| Emergency and first aid procedures | Eyes | Flush immediately with cool, clean water for at least 15 minutes |
| | Skin | Wash with mild soap and warm water |
| | Inhalation | Move to fresh air |
| | Ingestion | If large quantities are ingested, contact a physician |

In every case get medical attention as required

5. FIRE FIGHTING MEASURES

| | | |
|----------------------------------|------------------------|---|
| Flash point (test method) | > 210°F (> 99°C) (COC) | Flammable limits Not determined |
|----------------------------------|------------------------|---|

| | |
|----------------------------|--|
| Extinguishing media | As appropriate for the surrounding fire: water (flood with water), dry chemical, CO ₂ , or "alcohol" foam |
|----------------------------|--|

| | | |
|---|------|--|
| Special fire fighting procedures | None | Unusual fire and explosion hazards None |
|---|------|--|

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|-----------------------------|
| Steps to be taken if material is released or spilled | Mop up or use dry absorbent |
|---|-----------------------------|

7. HANDLING AND STORAGE

| | |
|--|--|
| Precautions to be taken in handling and storing | Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Refer to container labels. |
|--|--|

| | |
|--------------------------|---|
| Other precautions | This product contains amine. Do not add nitrite or other nitrosating agents to this product due to the potential for nitrosamine formation. |
|--------------------------|---|

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--|------|
| Respiratory protection (Specify type) | None |
|--|------|

| | | |
|--------------------|----------------------|---|
| Ventilation | Local exhaust | Not normally required |
| | Mechanical (General) | General room ventilation should be sufficient |
| | Special | None |
| | Other | None |

| | |
|--------------------------|------|
| Protective gloves | None |
|--------------------------|------|

| | |
|-----------------------------------|------|
| Other protective equipment | None |
|-----------------------------------|------|

Eye protection Safety glasses

Exposure limits None established by ACGIH or OSHA for product as whole
Refer to Section 2

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---------------------|
| Appearance | Light yellow liquid |
| Odor | Nearly odorless |
| pH of concentrate (as range) | 8.0 – 8.4 |
| Typical operating pH (as range) | 8.5 – 9.0 |
| Boiling point (ASTM D86) | 210°F (99°C) |
| Freezing point | -12°F (-24°C) |
| Solubility in water | Soluble |
| Specific gravity (H₂O=1) | 1.053 |
| V.O.C. Content (EPA Method 24) | 1.883 lb/gal |
| Evaporation rate (butyl acetate=1) | < 1 |

10. STABILITY AND REACTIVITY

| | | | |
|---|---|----------------------------|------|
| Stability | Stable | Conditions to avoid | None |
| Incompatibility (materials to avoid) | Strong oxidizers, acids, and alkalis | | |
| Hazardous combustion or decomposition products | Thermal decomposition (fire) may produce carbon, nitrogen, and sulfur | | |
| Hazardous polymerization | Will not occur | Conditions to avoid | None |

11. TOXICOLOGICAL INFORMATION

| Study | Test Animal | Concentrate | Results |
|---------------------------|------------------|--------------------------------------|--|
| | | | 10% Solution |
| Acute inhalation toxicity | Rat | --- | nontoxic LC ₅₀ > 219mg/l |
| Acute oral toxicity | Rat | nontoxic LD ₅₀ > 5g/kg | nontoxic |
| Acute dermal toxicity | Rabbit | nontoxic LD ₅₀ > 2g/kg | nontoxic |
| Primary skin irritation | Rabbit | nonirritant PDI index = 3.08 | nonirritant PDI index = 0.00 |
| Primary eye irritation | Rabbit | irritant | nonirritant |
| Repeated insult patch | Human volunteers | --- | nonirritant nonsensitizer |

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste disposal method Must comply with local, state, and federal regulations. If pre-treatment is needed, chemical treatment or ultrafiltration may be used. Contact Master Chemical Tech Line (1-800-537-3365) for assistance.

14. TRANSPORT INFORMATION

Department of Transportation **DOT Hazard Class:** None
TRIM[®] MIST is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

Resource Conservation and Recovery Act **EPA Hazardous Waste Number(s):** None
TRIM[®] MIST is not classified as a hazardous waste by EPA.

Toxic Substances Control Act All TRIM[®] MIST ingredients are listed on the TSCA Inventory of Chemical Substances.

Superfund Amendments and Reauthorization Act of 1986 TRIM[®] MIST does not contain any Section 302/304 Extremely Hazardous Substances or Section 313 Toxic Chemicals.

16. OTHER INFORMATION

| | HMIS Hazard Index | Concentrate | NFPA Rating |
|-----------------------|--------------------------|---------------------------------|------------------------|
| (Health) | H = 1 | | H = 1 |
| (Fire) | F = 0 | | F = 0 |
| (Reactivity) | R = 0 | | R = 0 |
| (Personal Protection) | PP = A (safety glasses) | | Special hazards = none |
| | | Typical Working Solution | |
| | H = 1 | | H = 1 |
| | F = 0 | | F = 0 |
| | R = 0 | | R = 0 |
| | PP = A (safety glasses) | | Special hazards = none |

Key 0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe
This information is intended solely for the use of individuals trained in the particular system.

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