1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name**: TRIM® E206
- **Material type**: Long Life Emulsion
- **Classification/synonym(s)**: Chemical emulsion/Soluble oil
- **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

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>%RANGE</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severely hydrotreated petroleum oil (mist)</td>
<td>5 mg/m³</td>
<td>5 mg/m³</td>
<td>none</td>
<td>64742-52-5</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>none</td>
<td>5 mg/m³</td>
<td>none</td>
<td>102-71-6</td>
</tr>
</tbody>
</table>

The exact chemical identities and percentages of the raw materials used in TRIM® E206 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**: Dark blue liquid  
  No immediate hazard  
  Fire may produce oxides of carbon, nitrogen, and sulfur

- **POTENTIAL HEALTH EFFECTS**

<table>
<thead>
<tr>
<th>Acute effects of overexposure</th>
<th>Eye Contact</th>
<th>Transient irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Concentrate may be irritating, nonsensitizer</td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td>Nontoxic</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>Nontoxic</td>
<td></td>
</tr>
<tr>
<td>Skin Absorption</td>
<td>Nontoxic</td>
<td></td>
</tr>
</tbody>
</table>

| Chronic effects of overexposure                | None currently known |

- **Product/Ingredients listed as carcinogen or potential carcinogen?**  
  NTP Annual Report: No  
  OSHA: No  
  IARC Monographs: 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): None to boiling (COC)

Flammable limits: Not determined

Extinguishing media: As appropriate for the surrounding fire: water (flood with water), dry chemical, CO₂, 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.

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 needed with working solution

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
Dark blue liquid

Odor
Mild

pH of concentrate (as range)
Not applicable

Typical operating pH (as range)
8.8-9.2

Boiling point (ASTM D86)
209 °F (98°C)

Freezing point
12 °F (-11°C)

Solubility in water
Soluble

Specific gravity (H₂O=1)
0.974

V.O.C. Content (EPA Method 24)
2.113 lbs/gal

Evaporation rate (butyl acetate=1)
< 1

10. STABILITY AND REACTIVITY

Stability
Stable

Conditions to avoid
None

Incompatibility
Strong oxidizers, acids, and alkalis

(materials to avoid)

Hazardous combustion or decomposition products
Thermal decomposition (fire) may produce oxides of carbon, nitrogen, and sulfur decomposition products

Hazardous polymerization
Will not occur

Conditions to avoid
None

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Study</th>
<th>Test Animal</th>
<th>Concentrate</th>
<th>10% Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute inhalation</td>
<td>Rat</td>
<td>---</td>
<td>nontoxic</td>
</tr>
<tr>
<td>toxicity</td>
<td></td>
<td></td>
<td>LC₅₀ &gt; 202mg/l</td>
</tr>
<tr>
<td>Acute oral toxicity</td>
<td>Rat</td>
<td>nontoxic</td>
<td>nontoxic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD₅₀ &gt; 5000mg/kg</td>
<td></td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>Rabbit</td>
<td>nontoxic</td>
<td>nontoxic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LD₅₀ &gt; 2000mg/kg</td>
<td></td>
</tr>
<tr>
<td>Primary skin irritation</td>
<td>Rabbit</td>
<td>irritant</td>
<td>nonirritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PDI index &gt; 6.42</td>
<td></td>
</tr>
<tr>
<td>Primary eye irritation</td>
<td>Rabbit</td>
<td>irritant</td>
<td>nonirritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human Insult patch</td>
<td>Human</td>
<td>---</td>
<td>nonirritant</td>
</tr>
<tr>
<td></td>
<td>volunteers</td>
<td></td>
<td>nonsensitizer</td>
</tr>
</tbody>
</table>

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 DOT Hazard Class: None  
Transportation TRIM® E206 is not classified as a hazardous material by DOT.

**15. REGULATORY INFORMATION**

Resource Conservation and EPA Hazardous Waste Number(s): None  
Recovery Act TRIM® E206 is not classified as a hazardous waste by EPA.

Toxic Substances All TRIM® E206 ingredients are listed on the TSCA Inventory of Chemical Substances.

Superfund Amendments and TRIM® E206 does not contain any Section 302/304 Extremely Reauthorization Act of 1986 Hazardous Substances or Section 313 Toxic Chemicals.

**16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>HMIS Hazard Index</th>
<th>NFPA RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentrate</strong></td>
<td></td>
</tr>
<tr>
<td>(Health)</td>
<td>H = 1</td>
</tr>
<tr>
<td>(Fire)</td>
<td>F = 0</td>
</tr>
<tr>
<td>(Reactivity)</td>
<td>R = 0</td>
</tr>
<tr>
<td>(Personal Protection)</td>
<td>PP = A (safety glasses)</td>
</tr>
</tbody>
</table>

**Typical Working Solution**

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H = 1</td>
<td>F = 0</td>
<td>R = 0</td>
<td>PP = A (safety glasses)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Special hazards = none</td>
</tr>
</tbody>
</table>

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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