

MATERIAL SAFETY DATA SHEET
TRIM® E206

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

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOM.	CAS #	%RANGE
Severely hydrotreated petroleum oil	5 mg/m ³ (mist)	5 mg/m ³ (mist)	none	64742-52-5	40-50
Triethanolamine	none	5 mg/m ³	none	102-71-6	1-10

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

Acute effects of overexposure	Eye Contact	Transient irritation
	Skin Contact	Concentrate may be irritating, 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)

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
Eye protection**

None
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 (H ₂ O=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 (materials to avoid)	Strong oxidizers, acids, and alkalis		
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce oxides of 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 > 202mg/l
Acute oral toxicity	Rat	nontoxic LD ₅₀ > 5000mg/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD ₅₀ > 2000mg/kg		nontoxic
Primary skin irritation	Rabbit	irritant PDI index > 6.42		nonirritant PDI index = 2.21
Primary eye irritation	Rabbit	irritant		nonirritant
Human 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[®] E206 is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

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

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

Superfund Amendments and Reauthorization Act of 1986 TRIM[®] E206 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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