

**MATERIAL SAFETY DATA SHEET**  
**TRIM<sup>®</sup> E206**

mast 19

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name** TRIM<sup>®</sup> 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  
419-874-7902

**Emergency telephone** 800-424-9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOM.	CAS #	%RANGE
Severely hydrotreated petroleum oil	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)	none	64742-52-5/ 64742-58-1/ 64742-65-0	40-50
Triethanolamine	none	5 mg/m <sup>3</sup>	none	102-71-6	1-10

The exact chemical identities and percentages of the raw materials used in TRIM<sup>®</sup> 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**

<b>Acute effects of overexposure</b>	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

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

**Signs and symptoms of exposure** None

R-7 SCHOOL DISTRICT  
JAN 24 2013  
BUSINESS SERVICES

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, CO<sub>2</sub>, 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  
Mechanical (General)  
Special  
Other

Not normally required  
General room ventilation should be sufficient  
None  
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 <sub>2</sub> O=1)	0.974
V.O.C. Content (ASTM E1868-10)	95 g/l
Evaporation rate (butyl acetate=1)	0.013

## 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 <sub>50</sub> >202mg/l
Acute oral toxicity	Rat	nontoxic LD <sub>50</sub> >5000mg/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD <sub>50</sub> >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<sup>®</sup> 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<sup>®</sup> E206 is not classified as a hazardous waste by EPA.

Toxic Substances Control Act      All TRIM<sup>®</sup> E206 ingredients are listed on the TSCA Inventory of Chemical Substances.

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

#### 16. OTHER INFORMATION

	HMIS Hazard Index	NFPA Rating
	Concentrate	
(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.

TRIM<sup>®</sup> is a registered trademark of Master Chemical Corporation.  
©1997 - 2011 Master Chemical Corporation.

The information herein is given in good faith and believed current as of the date of this MSDS. Because conditions of use are beyond our control, no guarantee, representation, or warranty expressed or implied is made. Consult Master Chemical Corporation for further information.

Date of preparation      May 27, 2011