

# MATERIAL SAFETY DATA SHEET

## TRIM® REGULAR

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product name** TRIM® REGULAR

**Material type** Water miscible cutting and grinding fluid concentrate

**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 43551-1263

**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 <sup>3</sup>	none	102-71-6	1-20
monoethanolamine	3 ppm	3 ppm	none	141-43-5	1-10

The exact chemical identities and percentages of the raw materials used in TRIM® REGULAR 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** Straw colored soft gel  
No immediate hazard  
Fire may produce CO, CO<sub>2</sub>, NO<sub>x</sub>

### POTENTIAL HEALTH EFFECTS

<b>Acute effects of overexposure</b>	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**

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

In every case get medical attention as required

#### **5. FIRE FIGHTING MEASURES**

<b>Flash point (test method)</b>	None	<b>Flammable limits</b> Not determined
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**Extinguishing media**                      As appropriate for the surrounding fire: water (flood with water), dry chemical, CO<sub>2</sub> or "alcohol" foam

<b>Special fire fighting procedures</b>	None	<b>Unusual fire and explosion hazards</b> None
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#### **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 Data and Information Sheet or 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

<b>Respiratory protection</b> (Specify type)	None	
<b>Ventilation</b>	Local exhaust Mechanical (General) Special Other	Not normally required General room ventilation should be sufficient None None
<b>Protective gloves</b>	None	
<b>Other protective equipment</b>	None	
<b>Eye protection</b>	Safety glasses	
<b>Exposure limits</b>	None established by ACGIH or OSHA for product as whole Refer to Section 2	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Straw colored soft gel
<b>Odor</b>	Mild pine odor
<b>pH of concentrate</b>	Not applicable
<b>Typical operating pH (as range)</b>	8.3-8.9
<b>Vapor pressure (psi)</b>	< 1
<b>Vapor density (Air=1)</b>	Not determined
<b>Boiling point (at 760 mm Hg)</b>	216°F (102°C)
<b>Freezing point</b>	Not applicable
<b>Solubility in water</b>	100%
<b>Specific gravity (H<sub>2</sub>O=1)</b>	1.07
<b>Percent volatile by volume</b>	62.45%
<b>Evaporation rate (butyl acetate=1)</b>	1

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable	<b>Conditions to avoid</b>	None
<b>Incompatibility</b> (materials to avoid)	Strong oxidizers, acids and alkalis		
<b>Hazardous combustion or decomposition products</b>	Thermal decomposition (fire) may produce CO, CO <sub>2</sub> , NO <sub>x</sub>		
<b>Hazardous polymerization</b>	Will not occur	<b>Conditions to avoid</b>	None

## 11. TOXICOLOGICAL INFORMATION

Study	Test Animal	Concentrate	Results	
				10% Solution
Acute inhalation toxicity	Rat	---		nontoxic LC <sub>50</sub> > 221mg/l
Acute oral toxicity	Rat	nontoxic LD <sub>50</sub> > 5g/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD <sub>50</sub> > 2g/kg		nontoxic
Primary skin irritation	Rabbit	nonirritant PDI index = 4.88		nonirritant PDI index = 0.13
Primary eye irritation	Rabbit	irritant		nonirritant
Repeated insult patch	Human Volunteers	---		possible defatting 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® REGULAR is not classified as a hazardous material by DOT.

## 15. REGULATORY INFORMATION

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

**Toxic Substances Control Act** All TRIM® REGULAR ingredients are listed on the TSCA Inventory of Chemical Substances.

**Superfund Amendments and  
Reauthorization Act of 1986**

TRIM® REGULAR does not contain any Section 302/304 Extremely  
Hazardous Substances or Section 313 Toxic Chemicals.

**16. OTHER INFORMATION**

	<b>HMIS Hazard Index</b>	<b>NFPA RATING</b>
	<b>Concentrate</b>	
(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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