

MATERIAL SAFETY DATA SHEET
TRIM® TAP HEAVY

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name TRIM® TAP HEAVY

Material type Tapping Fluid

Classification/synonym(s) Straight oil/None

Product use 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
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The exact chemical identities and percentages of the raw materials used in TRIM® TAP HEAVY 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 Amber liquid
No immediate hazard
Fire may produce carbon oxides, acid chlorides

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)	>200°F (93°C) (COC)	Flammable limits Not determined
Extinguishing media	Water spray (fog) foam, dry chemical or CO ₂	
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
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7. HANDLING AND STORAGE

Precautions to be taken in handling and storing	Refer to container labels
Other precautions	None

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection (Specify type)	Not normally required	
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	Amber liquid
Odor	Mild, oily

pH of concentrate	Not applicable
Boiling point (ASTM D86)	>300°F (>149°C)
Freezing point	Not applicable
Solubility in water	Insoluble
Specific gravity (H₂O=1)	1.228
V.O.C. Content (EPA Method 24)	Not determined
Evaporation rate (butyl acetate=1)	<1

10. STABILITY AND REACTIVITY

Stability	Stable	Conditions to avoid	None
Incompatibility (materials to avoid)	Strong acids and oxidizers		
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce carbon oxides, acid chlorides		
Hazardous polymerization	Will not occur	Conditions to avoid	None

11. TOXICOLOGICAL INFORMATION

Study	Test Animal	Results
Acute inhalation toxicity	Rat	nontoxic LC ₅₀ >218mg/l
Acute oral toxicity	Rat	nontoxic LD ₅₀ >5g/kg
Acute dermal toxicity	Rabbit	nontoxic LD ₅₀ >2g/kg
Primary skin irritation	Rabbit	nonirritant PDI=0.00
Primary eye irritation	Rabbit	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® TAP HEAVY is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

**Resource Conservation and
Recovery Act**

EPA Hazardous Waste Number(s): None
TRIM® TAP HEAVY is not classified as a hazardous waste by EPA.

**Toxic Substances
Control Act**

All TRIM® TAP HEAVY ingredients are listed on the TSCA Inventory of Chemical Substances.

**Superfund Amendments and
Reauthorization Act of 1986**

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

16. OTHER INFORMATION

	HMIS Hazard Index	NFPA Rating
(Health)	H = 0	H = 0
(Fire)	F = 0	F = 0
(Reactivity)	R = 0	R = 0
(Personal Protection)	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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