

MATERIAL SAFETY DATA SHEET
TRIM® OM 287

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	TRIM® OM 287		
Material type	Versatile Cutting Oil		
Classification/synonym(s)	Straight oil/None		
Product use	Lubricant in metal removal process		
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	5mg/m ³ (mist)	5mg/m ³ (mist)	none	64742-65-0/ 64742-58-1/ 64742-65-0	80-90

The exact chemical identities and percentages of the raw materials used in TRIM® OM 287 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	Brown liquid No immediate hazard Fire may produce oxides of carbon, sulfur, calcium, and hydrochloric acid
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POTENTIAL HEALTH EFFECTS

Acute effects of overexposure	Contains petroleum oils. Harmful if swallowed. Avoid inhalation of oil mist.
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Chronic effects of overexposure	None currently known
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Product/Ingredients listed as carcinogen or potential carcinogen?	NTP Annual Report No	IARC Monographs No
	OSHA No	

Signs and symptoms of exposure	None
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Medical conditions generally aggravated by exposure	None known
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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)	426°F (219°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	Avoid inhalation of oil mist. Avoid prolonged or repeated skin contact. Wash thoroughly after handling. Do not swallow. Refer to container labels.
Other precautions	No

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection (Specify type)	Not normally required. Use NIOSH approved respirator, if necessary, to comply with TLV.	
Ventilation	Local exhaust	Not normally required
	Mechanical (General)	General room ventilation should be sufficient
	Special	None
	Other	None
Protective gloves	None normally required. If prolonged contact is expected, wear neoprene gloves.	
Other protective equipment	Oil resistant apron, if necessary	
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	Brown liquid
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Odor	Mild oil
pH	Not applicable
Boiling point (ASTM D86)	158°F (70°C)
Freezing point	-5°F (-21°C)
Solubility in water	Insoluble
Specific gravity (H₂O=1)	0.878
VOC Content (EPA Method 24)	0.474 lbs/gal
Evaporation rate (butyl acetate=1)	<0.001

10. STABILITY AND REACTIVITY

Stability	Stable	Conditions to avoid	None
Incompatibility (materials to avoid)	Strong oxidizers, strong acid, strong alkali, and water		
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce oxides of carbon, sulfur, calcium, and hydrochloric acid.		
Hazardous polymerization	Will not occur	Conditions to avoid	None

11. TOXICOLOGICAL INFORMATION

Study	Test Animal	Results
Acute inhalation toxicity	Rat	nontoxic LC ₅₀ >203mg/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® OM 287 is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

Resource Conservation and Recovery Act **EPA Hazardous Waste Number(s):** None
TRIM® OM 287 is not classified as a hazardous waste by EPA.

Toxic Substances Control Act All TRIM® OM 287 ingredients are listed on the TSCA Inventory of Chemical Substances.

Superfund Amendments and Reauthorization Act of 1986 TRIM® OM 287 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 = 1	H = 1
(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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