

MATERIAL SAFETY DATA SHEET
TRIM® Whamex™

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name TRIM® Whamex™

Material type Machine Tool Sump and System Cleaner

Classification/synonym(s) None/None

Product use Removal of metalworking fluids from machine tools, parts and floors

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	5 mg/m ³	none	102-71-6	1-10
monoethanolamine	3 ppm	3 ppm	none	141-43-5	1-10

The exact chemical identities and percentages of the raw materials used in TRIM® Whamex™ 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 Yellow liquid
Fire may produce CO, CO₂, NO_x

POTENTIAL HEALTH EFFECTS

Acute effects of overexposure	Eye Contact	Irritant
	Skin Contact	Irritant
	Inhalation	Nontoxic
	Ingestion	Nontoxic
	Skin Absorption	Nontoxic

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)	None to boiling (COC)	Flammable limits
		Not determined

Extinguishing media	As appropriate for the surrounding fire: water (flood with water), dry chemical, CO ₂ , or "alcohol" foam
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Special fire fighting procedures	None	Unusual fire and explosion hazards	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
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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 container labels.
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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	Rubber, Neoprene or vinyl	
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	Yellow liquid
Odor	Mild odor
pH of concentrate	11.0
Typical operating pH (as range)	10.0 – 10.6
Vapor pressure (psi)	N/A
Vapor density (Air=1)	1.2
Boiling point (at 760 mm Hg)	218°F (103.3°C)
Freezing point	< 14°F
Solubility in water	Complete
Specific gravity (H₂O=1)	1.08
Percent volatile by volume	~ 75
Evaporation rate (butyl acetate=1)	< 1

10. STABILITY AND REACTIVITY

Stability	Stable	Conditions to avoid	None
Incompatibility (materials to avoid)	Strong oxidizers and acids		
Hazardous combustion or decomposition products	Thermal decomposition (fire) may produce CO, CO ₂ , NO _x		
Hazardous polymerization	Will not occur	Conditions to avoid	None

11. TOXICOLOGICAL INFORMATION

Study	Test Animal	Concentrate	Results	
			5% Solution	
Acute inhalation toxicity	Rat	---	nontoxic	LC ₅₀ > 205mg/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	nonirritant PDI index = 3.67	nonirritant	PDI index = 0.13
Primary eye irritation	Rabbit	irritant	nonirritant	
Repeated insult patch	Human Volunteers	---	Irritant	

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® Whamex™ is not classified as a hazardous material by DOT.

15. REGULATORY INFORMATION

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

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

Superfund Amendments and Reauthorization Act of 1986 TRIM® Whamex™ 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 = B (safety glasses and gloves)	Special hazards = none

	HMIS Hazard Index	NFPA RATING
	Typical Working Solution	
	H = 1	H = 1
	F = 0	F = 0
	R = 0	R = 0
	PP = B (safety glasses and gloves)	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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