

**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**

<b>COMPONENT</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS</b>		
			<b>RECOM.</b>	<b>CAS #</b>	<b>%RANGE</b>
triethanolamine	none	5 mg/m <sup>3</sup>	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, CO<sub>2</sub>, NO<sub>x</sub>

**POTENTIAL HEALTH EFFECTS**

<b>Acute effects of overexposure</b>	Eye Contact	Irritant
	Skin Contact	Irritant
	Inhalation	Nontoxic
	Ingestion	Nontoxic
	Skin Absorption	Nontoxic

<b>Chronic effects of overexposure</b>	None currently known			
<b>Product/Ingredients listed as carcinogen or potential carcinogen?</b>	<b>NTP Annual Report</b>	<b>No</b>	<b>IARC Monographs</b>	<b>No</b>
<b>OSHA</b>	<b>No</b>			
<b>Signs and symptoms of exposure</b>	None			
<b>Medical conditions generally aggravated by exposure</b>	None known			

#### **4. FIRST AID MEASURES**

<b>Emergency and first aid procedures</b>	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**

<b>Flash point (test method)</b>	None to boiling (COC)	<b>Flammable limits</b> Not determined
<b>Extinguishing media</b>	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

#### **6. ACCIDENTAL RELEASE MEASURES**

<b>Steps to be taken if material is released or spilled</b>	Mop up or use dry absorbent
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#### **7. HANDLING AND STORAGE**

<b>Precautions to be taken in handling and storing</b>	Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Refer to container labels.
<b>Other precautions</b>	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 (Specify type)</b>	None	
<b>Ventilation</b>	Local exhaust	Not normally required
	Mechanical (General)	General room ventilation should be sufficient
	Special	None
	Other	None
<b>Protective gloves</b>	Rubber, Neoprene or vinyl	
<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>	Yellow liquid
<b>Odor</b>	Mild odor
<b>pH of concentrate</b>	11.0
<b>Typical operating pH (as range)</b>	10.0 – 10.6
<b>Vapor pressure (psi)</b>	N/A
<b>Vapor density (Air=1)</b>	1.2
<b>Boiling point (at 760 mm Hg)</b>	218°F (103.3°C)
<b>Freezing point</b>	< 14°F
<b>Solubility in water</b>	Complete
<b>Specific gravity (H<sub>2</sub>O=1)</b>	1.08
<b>Percent volatile by volume</b>	~ 75
<b>Evaporation rate (butyl acetate=1)</b>	< 1

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable	<b>Conditions to avoid</b>	None
<b>Incompatibility (materials to avoid)</b>	Strong oxidizers and acids		
<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	5% Solution
Acute inhalation toxicity	Rat	---		nontoxic $LC_{50} > 205\text{mg/l}$
Acute oral toxicity	Rat	nontoxic $LD_{50} > 5000\text{mg/kg}$		nontoxic
Acute dermal toxicity	Rabbit	nontoxic $LD_{50} > 2000\text{mg/kg}$		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

<b>HMIS Hazard Index</b>		<b>NFPA RATING</b>
<b>Concentrate</b>		
<b>HMIS Hazard Index</b>		
(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
<b>Typical Working Solution</b>		
	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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