

**MATERIAL SAFETY DATA SHEET**  
**Whamex XT™**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name** Whamex XT™

**Material type** Low-foam 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 43551-1200  
419-874-7902

**Emergency telephone** 800-424-9300

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOM.	CAS #	%RANGE
Triethanolamine	none	5 mg/m <sup>3</sup>	none	102-71-6	1-10

The exact chemical identities and percentages of the raw materials used in Whamex XT™ 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 yellow liquid  
Fire may produce oxides of carbon and nitrogen

**POTENTIAL HEALTH EFFECTS**

<b>Acute effects of overexposure</b>	Eye contact	Irritant
	Skin contact	Nonirritant, possible defatting of the skin upon continued use
	Inhalation	Nontoxic
	Ingestion	Nontoxic
	Skin Absorption	Nontoxic

**Chronic effects of overexposure** None currently known

<b>Product/Ingredients listed as carcinogen or potential carcinogen?</b>	<b>NTP Annual Report</b> No	<b>IARC Monographs</b> No
	<b>OSHA</b> 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>	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>	>200°F (>93°C) (PMCC)	<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>	None normally required	
<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**

Appearance	Straw yellow liquid
Odor	Slight
pH of concentrate (as range)	10.5 - 11.5
Typical operating pH (as range)	9.8 - 10.5
Boiling point (ASTM D86)	210° F (99°C)
Freezing point	18° F (-8°C)
Solubility in water	Soluble
Specific gravity (H <sub>2</sub> O=1)	1.075
V.O.C. Content (ASTM E1868-10)	132.9 g/L
Evaporation rate (butyl acetate=1)	0.025

## **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 oxides of carbon and nitrogen		
Hazardous polymerization	Will not occur	Conditions to avoid	None

## **11. TOXICOLOGICAL INFORMATION**

Study	Test Subject	Concentrate	Results	
				5% Solution
Acute inhalation toxicity	Rat	---		nontoxic LC <sub>50</sub> >200mg/l
Acute oral toxicity	Rat	nontoxic LD <sub>50</sub> >5000mg/kg		nontoxic
Acute dermal toxicity	Rabbit	nontoxic LD <sub>50</sub> >2000mg/kg		nontoxic
Primary eye irritation	Rabbit	irritant		nonirritant
Repeated insult patch	Human	---		irritant
Primary skin irritation	Human	noncorrosive		

## **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  
Whamex XT™ is not classified as a hazardous material by DOT.

### **15. REGULATORY INFORMATION**

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

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

**Superfund Amendments and Reauthorization Act of 1986** Whamex XT™ 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

<b>HMIS Hazard Index</b>	<b>NFPA Rating</b>
<b>Typical Working Solution</b>	
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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