

VIRGINIA CHEMICALS



**THE METRO GROUP, INC.**

*Servicing Water Systems with Environmental Care*

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VIR-TREAT

## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 5/22/03SW

1. CHEMICAL PRODUCT IDENTIFICATION		<b>METRO EZ TREAT 388</b>	
General Use: <b>COOLING WATER TREATMENT</b>		EMERGENCY TELEPHONE NUMBER: CHEMTREC 800-424-9300	
2. COMPOSITION/INFORMATION ON INGREDIENTS			
OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)		EXPOSURE LIMITS 8 HRS. TWA (PPM)	
<u>Component</u>	<u>Hazard</u>	<u>CAS#</u>	<u>OSHA STEL</u>
ZINC SULFATE	IRRITANT	7733-02-0	1 MG/L
SODIUM BICARBONATE	IRRITANT	144-55-8	NONE LISTED
		<u>OSHA PEL</u>	<u>ACGIH TLV</u>
		1 MG/L	1MG/L
		NONE LISTED	NONE LISTED
3. HAZARDS IDENTIFICATION			
EMERGENCY OVERVIEW: THIS PRODUCT MAY BE CORROSIVE TO THE EYES AND IS OTHERWISE AN IRRITANT.			
POTENTIAL HEALTH EFFECTS			
INHALATION:	INHALATION OF THE POWDER MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT WITH A BURNING PAIN IN THE NOSE AND THROAT.		EYE CONTACT: MAY CAUSE IRRITATION AND POSSIBLE BURNS.
INGESTION:	MAY CAUSE POSSIBLE BURNS OF THE GASTROINTESTINAL TRACT.		CHRONIC: NONE
SKIN CONTACT:	MAY CAUSE IRRITATION AND POSSIBLE BURNS.		TARGET ORGANS: POINT OF CONTACT.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N.D.			
4. FIRST AID MEASURES			
INHALATION:	REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.		SKIN CONTACT: WASH WITH SOAP AND WATER.
EYE CONTACT:	RINSE WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.		INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.
NOTES TO PHYSICIAN: NONE			
5. FIRE FIGHTING MEASURES			
Flashpoint (°F) and Method: DOES NOT BURN		Autoignition Temperature (°F): N/A	
FLAMMABLE LIMITS:	Ingredient: NONE	UEL: N/A	LEL: N/A
GENERAL HAZARD:	IRRITANT - MAY PRODUCE MUCH DUST.		FIRE FIGHTING EQUIPMENT: WEAR SELF CONTAINED BREATHING APPARATUS.
FIRE FIGHTING INSTRUCTIONS:			
EXTINGUISHING MEDIA:			
Foam: YES	Alcohol Foam: YES	CO2: YES	Other: NONE
Dry Chemical: YES	Water: YES		
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON.			
NATIONAL FIRE PROTECTION ASSOCIATION HAZARD RATINGS:			
0 - Insignificant		1 - Slight	
4 - Extreme		U - Unknown	
2 - Moderate		3 - High	
* - No Information			
Health	:1		
Flammability	:0		
Reactivity	:0		
SPECIAL INFORMATION: ALKALI			

N/A: Not Applicable  
N/D: Not Determined  
N/E: Not Established

\* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

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**6. ACCIDENTAL RELEASE MEASURES**

LAND SPILL: **COLLECT AND DISPOSE OF IN ACCORDANCE TO LOCAL, STATE AND FEDERAL GUIDELINES.** WATER SPILL: **NOTIFY THE APPROPRIATE AUTHORITIES.**

**7. HANDLING AND STORAGE**

STORAGE TEMPERATURE (°F): **ROOM TEMPERATURE** STORAGE PRESSURE: **ATMOSPHERIC**

GENERAL: **STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED AND WASH AFTER HANDLING.**

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

ENGINEERING CONTROLS: **LOCAL EXHAUST – USE WITH ADEQUATE VENTILATION.**

PERSONAL PROTECTION: **GOGGLES**

RESPIRATOR: **DUST MASK**

PROTECTIVE CLOTHING: **RUBBER GLOVES**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure (mmHg)	: N/A	pH, 1% Solution	: N.D.
Specific Gravity (Water=1)	: N.D.	Odor	: NONE
Solubility in Water	: N.D.	Appearance	: GRANULAR WHITE
Freezing Point	: N/A	Physical State	: POWDER
Evaporation Rate (BuAc=1)	: N/A	Vapor Density (Air=1)	: N/A
Viscosity	: N/A	Percent Volatile by Vol	: N/A
Boiling Point (°F)	: N/A		

**10. STABILITY AND REACTIVITY**

GENERAL: **STABLE**

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID: **ACIDS, STRONG OXIDERS AND AMMONIA.**

HAZARDOUS DECOMPOSITION PRODUCTS: **NONE**

**11. TOXICOLOGICAL INFORMATION**

CARCINOGENIC INFORMATION: **N/E**

CAS#: **N/E**

% WT.: **N/A**

IARC: **NOT LISTED** NTP: **NOT LISTED** OSHA: **NOT LISTED** ACGIH: **NOT LISTED** OTHER: **NOT LISTED**

**12. ECOLOGICAL INFORMATION: N.D.**

**13. DISPOSAL CONSIDERATION**

RCRA Hazard Class: **NOT LISTED**

**14. TRANSPORT INFORMATION:**

DOT (Department of Transportation)

Proper Shipping Name: **NOT DOT REGULATED**

Hazard Class: **NONE**

Identification Number: **NONE**

**15. REGULATORY INFORMATION**

TSCA (Toxic Substance Control Act): **ALL COMPONENTS ARE LISTED ON THE TSCA INVENTORY.**

CERCLA (Comprehensive Environmental Response Compensation, and Liability Act) **THIS PRODUCT CONTAINS ZINC SULFATE. A RELEASE OF GREATER THAN 21,000 POUNDS SHOULD BE REPORTED.**

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: **IMMEDIATE HEALTH HAZARD**

313 Reportable Ingredients: **ZINC SULFATE**

**16. OTHER INFORMATION**

REFERENCE: **PRODUCT FILE #F1150**

THE INFORMATION RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE.

N/A: Not Applicable

N/D: Not Determined

N/E: Not Established

\* Where no corresponding data was contained in manufacturer's MSDS, additional research is required and is available upon request.

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