

MATERIAL SAFETY DATA SHEET

(Complies with 29 CFR 1910.1200)

SECTION I

MAG-IT

Box 1931, Simpsonville, SC 29681-1931
(864) 963-7034

PRODUCT NAME: MACRO Z-PO

PRODUCT CODE:

CHEMICAL NAME: Mixture

CAS #: N/A

MIXTURE (X)

SINGLE SUBSTANCE ()

HMIS RATING

HEALTH: 3

FLAMMABILITY: 0

REACTIVITY: 1

PERSONAL PROTECTION: C

SECTION II**HAZARDOUS INGREDIENTS**

MATERIAL OR COMPONENT	%	HAZARD DATA	
Nitric Acid CAS 7697-37-2	<10%	2 ppm TWA	This is a SARA 313 Material
Phosphoric Acid CAS 7664-38-2	<30%	1 mg/m ³ TWA	
Zinc Phosphate CAS 7779-90-3	<10%	None	

SECTION III**PHYSICAL DATA**

BOILING POINT: 219° F

SPECIFIC GRAVITY: 1.39 minimum

VAPOR PRESSURE: <1

VAPOR DENSITY: >1

SOLUBILITY IN WATER: Complete. Slightly exothermic.

APPEARANCE AND ODOR: Clear liquid with characteristic odor.

pH, as is: <2

SECTION IV**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED): Not Flammable

FLAMMABILITY LIMITS: LEL UEL

EXTINGUISHING MEDIA: Water, foam or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should use self-contained breathing apparatus when fighting fires in which this product is present.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product, when in contact with certain metals or strong oxidizers, can generate hydrogen gas and explosive mixtures with air may form.

SECTION V**HEALTH HAZARDS DATA**

THRESHOLD LIMIT VALUE: 1 ppm ceiling (as HCl gas)

EFFECTS OF OVEREXPOSURE: Nitric and Phosphoric acids are corrosive and irritating to the mucous membranes of the eyes and respiratory tract. Prolonged skin contact can cause serious burns. Inhalation of dusts results in coughing, choking and inflammation of the respiratory tract. If irritation occurs additional ventilation may be needed. Do not ingest. Do not inhale. Do not get in eyes. Heavy concentrations of dusts may burn the eyes.

EMERGENCY FIRST AID PROCEDURES: Flush affected external areas with water for 15 minutes. Use neutralizer for acid products if available. Consult a physician immediately. If ingestion occurs, give water freely and consult a physician immediately.

SECTION VI
REACTIVITY DATA

STABILITY: STABLE:X UNSTABLE:
CONDITIONS TO AVOID: High ambient storage temperatures
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing substances, common metals, alkali or active metals.
HAZARDOUS DECOMPOSITION PRODUCTS: H₂ gas is generated in contact with many metals.
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR:X

SECTION VII
SPILL OR LEAK PROCEDURES

SPILL RESPONSE PROCEDURES: Small spills may be flushed with a large volume of water into the sewer system. Larger spills should be diked, absorbed on non-combustible absorbent such as kitty litter and then cover with bicarbonate of soda or an equal mixture of soda ash and slaked lime. Collect in a suitable container for disposal in accordance with appropriate regulations. Releases into surface waters may cause conspicuous foaming.

WASTE DISPOSAL METHOD: Collect in a suitable container and dispose of in accordance with local, state and federal regulations. Small spills may be absorbed on an appropriate media and disposed of in a landfill.

SECTION VIII
SPECIAL PROTECTION INFORMATION

EYE PROTECTION: Glasses or goggles and face shield
RESPIRATORY PROTECTION: Acid approved vapor mask
SKIN PROTECTION: Rubber gloves
OTHER PROTECTION: Splash resistant apron
VENTILATION RECOMMENDATION: Do not use in closed, unventilated spaces.

SECTION IX
SPECIAL PRECAUTIONS

HYGIENE PRACTICES IN HANDLING AND STORAGE: Inside storage that is dry and well ventilated. Do not store adjacent to oxidizing substances, common metals, alkali or active metals. Follow all recommended handling practices.

OTHER PRECAUTIONS: None

SECTION X
PREPARER AND DISCLAIMER

The information and recommendations contained herein are to the best of MAG-IT's knowledge and belief, accurate and reliable as of the date issued. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use of this product is beyond the control of MAG-IT, no guarantee, expressed or implied, is made by MAG-IT.

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