

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	METAL MAX		
PRODUCT CODE	22110	DISTRIBUTOR	Myers Supply, Inc.
ISSUE DATE	03/28/05	STREET ADDRESS	831 Third St.
SUPERCEDES	05/18/01	CITY, STATE ZIP	Hot Springs, AR 71913
		PHONE	(501) 623-7742

EMERGENCY TELEPHONE NUMBER

1-800-535-5053

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Phosphoric Acid	7664-38-2	1 mg/m ³	1 mg/m ³	3 mg/m ³	NA
Sulfuric Acid	7664-93-9	1 mg/m ³	1 mg/m ³	ND	NA
Butoxyethanol	111-76-2	25 ppm	25 ppm	NA	NA

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Causes burns to skin, eye and mucous membranes.

POTENTIAL HEALTH EFFECTS

INGESTION	Burns
INHALATION	Damage to mucous membrane
EYE CONTACT	Burns
SKIN CONTACT	Burns

SECTION 4 – FIRST AID MEASURES

INGESTION	Drink large quantity of water or milk. See a physician immediately.
INHALATION	Remove victim to fresh air. If victim is not breathing, give artificial respiration and get medical help immediately.
EYE CONTACT	Flush with water for 15 minutes. See a physician immediately.
SKIN CONTACT	Flush with water. If irritation persists, get medical attention.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD NA

FLAMMABLE

LIMITS

NA

% VOLATILE NA

EXTINGUISHING MEDIA

Water mist, dry chemical, CO₂, alcohol foam.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters should wear a self-contained breathing apparatus as in all chemical fires.

FIRE AND EXPLOSION HAZARDS

On prolonged contact with aluminum or zinc this product will produce hydrogen gas, which can form explosive mixtures in air.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE

TO SPILLS

Stop leak. Dilute spilled material with sodium bicarbonate solution to greater than pH 6.5.

SECTION 7 – HANDLING AND STORAGE

HANDLING

PRECAUTIONS

Wash hands before eating. Keep container tightly closed when not in use.

STORAGE

PRECAUTIONS

Keep containers closed when not in use. Store in a dry, cool place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES

Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.

ENGINEERING CONTROLS

Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.

	RESPIRATOR	Not necessary
X	GOGGLES / FACE SHIELD	Required; goggles should be chemical splash type
	APRON	Not necessary
X	GLOVES	Required; chemical resistant type
	BOOTS	Not necessary

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Colorless liquid

BOILING POINT

225° F

ODOR

Acid

VAPOR PRESSURE

ND

pH

<2

VAPOR DENSITY

ND

SPECIFIC GRAVITY

1.126

EVAPORATION RATE

(butyl acetate=1)

NA

SOLUBILITY IN WATER

ND

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE	X	UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.		
INCOMPATIBILITY	Strong bases, aluminum or zinc.		
HAZARDOUS PRODUCTS OF DECOMPOSITION	Oxides of sulfur and carbon		
POLYMERIZATION	WILL NOT OCCUR	X	MAY OCCUR
CONDITIONS TO AVOID	None		

SECTION 11 – TOXICOLOGICAL INFORMATION

CARCINOGENICITY

X	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z.

OTHER EFFECTS

ACUTE	Burns to eyes and skin. Harmful if inhaled.
CHRONIC	Not known
ORAL LD/50	Unknown

SECTION 12 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Flush diluted material to sewer.
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SECTION 13 – TRANSPORT INFORMATION

DOT CLASSIFICATION	HAZARDOUS	X	NOT HAZARDOUS
DESCRIPTION	Corrosive liquid, n.o.s. (contains phosphoric acid and sulfuric acid), 8, UN 1760, PG II.		
HM CODE	150		

SECTION 14 – OTHER INFORMATION

HMIS CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
2	YELLOW	REACTIVITY
Acid	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Myers Supply, Inc. in connection with the use of this information.