

MATERIAL SAFETY DATA SHEET

Metal Cleaner

FILE NO.: DM003
MSDS DATE: 02/15

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Metal Cleaner
SYNONYMS: N/A
PRODUCT CODES: 40003

MANUFACTURER: Shield Products, Inc.
DIVISION: N/A
ADDRESS: 6010 NW 99th Ave. Doral, Florida 33178

EMERGENCY PHONE: 904-880-6060
CHEMTREC PHONE: 800-424-9300

CHEMICAL FAMILY: Phosphoric acid

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	CAS No.	% by weight	OSHA PEL	ACGIH TLV
Diluted phosphoric acid	7664-38-2,	30%	.3mg/m3	1mg/m3

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Irritation

SKIN: Irritation

INGESTION: Internal irritation

INHALATION: Irritation of upper respiratory track

CARCINOGENICITY: None identified

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes. Seek medical help as further treatment will be necessary.

SKIN: Wash with a mild soap and water, rinse for 15 minutes. Seek medical help if needed.

INGESTION: Give large amounts of milk or water. Do not induce vomiting. Seek medical help.

INHALATION: Remove the person from the area to fresh air. If symptomatic seek medical help

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

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SECTION 5: FIRE-FIGHTING MEASURES

Non-flammable, but explosive hydrogen gas can accumulate if mixed with other chemicals

EXTINGUISHING MEDIA: Use extinguishing media suitable for surrounding fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Reaction with certain metals can produce hydrogen gas.
HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Neutralize with sodium bicarbonate or soda ash and flush with water

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a high density polyethylene, rubber lined, fiber glassed, or 316 stainless steel container. Do not store in extreme heat or cold.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION : Use general or local ventilation.
RESPIRATORY PROTECTION: Respiratory protection required if airborne concentration exceeds TLV.
EYE PROTECTION: Use safety goggles
SKIN PROTECTION: Use rubber gloves and protective clothing.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: greenish liquid
ODOR: Detergent/ethylene odor
PHYSICAL STATE: liquid
pH AS SUPPLIED: 1.46
BOILING POINT:
F: 295
C: 120
MELTING POINT:
F:
C:

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FREEZING POINT:

F: 28

C: 80

SPECIFIC GRAVITY (H₂O = 1): 1.25

SOLUBILITY IN WATER: Complete

VISCOSITY: 11 ssu @

F: 100

C: 32.7

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY:

CONDITIONS TO AVOID (STABILITY): Stable under normal conditions

INCOMPATIBILITY (MATERIAL TO AVOID): Do not allow contact with strong alkalides. Reacts with many metals to produce hydrogen gas.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Phosphorus pentoxide fumes

SECTION 10 NOTES:

SECTION 11: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:

Phosphoric acid (blended with fortifying agents)

HAZARD CLASS:

Corrosive material

ID NUMBER:

UN1805

LABEL STATEMENT:

Corrosive

SECTION 11 NOTES: