MATERIAL SAFETY DATA SHEET

(Approved by U. S. Department of Labor "Essentially Similar" to Form OSHA-20)

I. Manufacturer's Name: AMCHEM PRODUCTS, INC.

Address (number, street): Brookside Avenue

(City, state, zip code): Ambler, PA 19002

Emergency Telephone Number:

Information Supplied by:

Date: Title:

Product Trade Name: ALODINE 1500

Chemical Name & Synonyms:

Chemical Family: Formula:

National Fire Protection Association 704M Signal (or estimate)

Health Fire Reactivity Specific Hazard

II. HAZARDOUS INGREDIENTS

MATERIAL	%	TLV (Units)	MATERIAL	%	TLV (Units)
Chromic Acid	5.0				
Complex Fluoride Salts	5.0				

III. PHYSICAL DATA

a. Boiling point (°F): 212°F

b. Vapor pressure (mm Hg):

c. Vapor density (Air = 1):

d. Solubility in water (%): 100%

e. Specific gravity (H_2O = 1): 1.052

f. Per cent volatile by volume: 95%

g. Evaporation rate (water = 1): 1.0

h. Appearance & odor: Orange-yellow liquid - no odor

IV. FIRE AND EXPLOSION HAZARD DATA

a. Flash point (state method, °F):

b. Ignition temperature (°F):

c. Flammable limits in air, LEL UEL

d. Extinguishing media:

e. Special fire fighting procedures:

f. Unusual fire and explosion hazards:

V. HEALTH HAZARD DATA

a. Physiological Properties:

1. Acute oral toxicity (LD_{50} if available):
2. Local effects to eyes:
3. Local effects to skin: Corrosive action on skin
4. Sensitizing effects:
5. Dermal absorption (LD_{50} if available):
6. Inhalation effects (LC_{50} if available): Ulceration of mucous membranes.
7. [illegible] $/M^3$

BOE-C6-0201611

V.

b. Emergency and First Aid Procedures:

1. Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor

2. Eye Contact: Flush with copious amounts of water for at least 15 minutes. Call a doctor.

3. Skin Contact: Wash with water.

4. Inhalation:

Other Health Data:

VI. REACTIVITY DATA

a. Stability: Stable X Unstable ____ Conditions to avoid:

b. Incompatible Materials:

c. Hazardous Decomposition Products:

d. Hazardous Polymerization: May occur ____ Will not occur X Conditions to avoid:

VII. SPILL OR LEAK PROCEDURES

a. Steps to be taken for spill or leak: Flush with water.

b. Waste disposal methods: Reduce with bisulfite and neutralize with lime.

VIII. SPECIAL PROTECTION INFORMATION

a. Respiratory protection (Specify type) requirements: Acid mist cartridge. Filter type dust, fume and mist respirator 30CFR14 (must meet N.I.O.S.H. standards)

b. Ventilation requirements (local exhaust, general dilution, special): Local: Exhaust fan

c. Protective gloves required: Rubber

d. Eye protection required: Safety glasses

e. Other required equipment: Aprons

IX. SPECIAL PRECAUTIONS

a. Precautionary label required? If yes, please attach.

b. Precautions to be taken in handling and storing: Do not freeze

c. Other precautions: Storage should be kept separate from flammable storage items. Keep container closed. Do not get in eyes on skin, on clothing. Do not breathe liquid mist.

BOE-C6-0201612