FEB 04 1982

DPM 5084

Form Approved
Budget Bureau No. 44-R1387
Approval Expires April 30, 1971

Form No. LSB-OOS-4
May 1969

U.S. DEPARTMENT OF LABOR

WORKPLACE STANDARDS ADMINISTRATION

Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

CONFIDENTIAL
Proprietary Information
Amchem Products, Inc.

SECTION I

MANUFACTURER'S NAME: AMCHEM PRODUCTS, INC.	EMERGENCY TELEPHONE NO.: (215) ~~646-1700~~ 628-1321
ADDRESS (Number, Street, City, State, and ZIP Code): Brookside Avenue; Ambler, Penna. 19002	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS: Alodine 1500
CHEMICAL FAMILY	FORMULA

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Chromic Acid	<5.0	
Complex Fluoride Salts	<5.0	
Water	>50	

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	212°F.	SPECIFIC GRAVITY (H_2O=1)	1.052
VAPOR PRESSURE (mm Hg.) Same as water		PERCENT VOLATILE BY VOLUME (%)	95%
VAPOR DENSITY (AIR=1)	-	EVAPORATION RATE (water =1)	1.0
SOLUBILITY IN WATER	100%		
APPEARANCE AND ODOR	Orange-yellow liquid - no odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE	FLAMMABLE LIMITS	Lel	Uel

EXTINGUISHING MEDIA

SPECIAL FIRE FIGHTING PROCEDURES NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS NONE

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 0.1 mg./M^3

EFFECTS OF OVEREXPOSURE
Corrosive action on skin and ulceration of mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES
Wash with water, for skin contact.
Eyes: Flush with copious amounts of water for at least 15 minutes. Call a doctor.
Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor.

SECTION VI REACTIVITY DATA

STABILITY			CONDITIONS TO AVOID
	UNSTABLE		
	STABLE	X	

INCOMPATABILITY (Materials to avoid) organic solvents

HAZARDOUS DECOMPOSITION PRODUCTS NONE

HAZARDOUS POLYMERIZATION			CONDITIONS TO AVOID
	MAY OCCUR		
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Flush with water.

WASTE DISPOSAL METHOD
Reduce with bisulfite and neutralize with lime

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type) Acid mist cartridge Filter type dust, fume and mist ~~respirator 30CFR14 (Bureau of Mines Schedule 21B)~~

VENTILATION		
	LOCAL EXHAUST Exhaust fan	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES	EYE PROTECTION
Rubber	Safety glasses

OTHER PROTECTIVE EQUIPMENT Aprons

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Do not freeze.

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.