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## MATERIAL SAFETY DATA SHEET

### SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: **STENCIL REMOVING CRYSTALS**

PRODUCT USE: OXIDIZING AGENT

CHEMICAL FORMULA: NaIO<sub>4</sub>

EMERGENCY PHONE NUMBER: Spill, Leak, Exposure or Accident, call CHEMTREC – Day or Night:  
800-424-9300 or 202-483-7616

INFORMATION NUMBER: 718-392-6272

DATE PREPARED: 3/31/2002

### SECTION II INGREDIENTS

COMPONENTS	CAS#	%Wt	OSHA-PEL	NIOSH-REL
SODIUM METAPERIODATE	7790-28-5	60-100%	NONE KNOWN	NONE KNOWN

### SECTION III PHYSICAL PROPERTIES

BOILING POINT: DECOMPOSES AT 300 C SOLUBILITY IN WATER: SOLUBLE

FREEZING POINT: NOT APPLICABLE PHYSICAL STATE: SOLID

MELTING POINT: DECOMPOSES AT 300 C APPEARANCE: WHITE CRYSTALS

MOLECULAR WT: 213.92 PH: 3-5

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NOT FLAMMABLE UEL: UNKNOWN LEL: UNKNOWN

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

EXTINGUISHING MEDIA: NOT FLAMMABLE-USE APPROPRIATE EXTINGUISHING MEDIA FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD WEAR NORMAL PROTECTIVE EQUIPMENT (FULL BUNKER GEAR) AND POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PRODUCT IS NOT FLAMMABLE; HOWEVER, DUE TO ITS STRONG OXIDIZING CAPABILITY, THIS PRODUCT WILL READILY IGNITE COMBUSTIBLE MATERIALS.

FLAME PROPAGATION OR BURNING RATE: NOT APPLICABLE

SENSITIVITY TO MECHANICAL IMPACT/STATIC DISCHARGE: NOT AVAILABLE

### SECTION V REACTIVITY DATA

STABLE: YES CONDITIONS TO AVOID: HEAT, FRICTION, AND IMPACT

INCOMPATIBILITY (MATERIALS TO AVOID): MIXTURES WITH FINELY DIVIDED METALS CAN REACT EXPLOSIVELY. MIXTURES WITH COMBUSTIBLE MATERIALS ARE READILY IGNITED (WOOD, PAPER, OIL, ETC.)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: OXIDES OF SODIUM, TOXIC FUMES OF IODINE AND IODINE COMPOUNDS.

HAZARDOUS POLYMERIZATION MAY OCCUR? NO

CONDITIONS TO AVOID POLYMERIZATION: NONE KNOWN

### SECTION VI HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: INHALATION, INGESTION, SKIN AND EYE CONTACT.

ACUTE SIGNS AND SYMPTOMS OF OVEREXPOSURE: MAY CAUSE EYE, SKIN AND MUCOUS MEMBRANE IRRITATION.

**HMIS INFORMATION:**

Health: 3 Flammability: 0 Reactivity: 3 Protective Equipment: F  
CHRONIC SIGNS AND SYMPTOMS OF OVEREXPOSURE: NONE KNOWN  
CARCINOGENICITY? NO LISTED IN : IARC: NOT LISTED  
OSHA: NOT LISTED  
NTP: NOT LISTED  
OTHER: NONE KNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: ANY PREVIOUSLY EXISTING PULMONARY, OCULAR, OR DERMATITIS CONDITIONS.

**FIRST-AID PROCEDURES:**

EYE: FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

SKIN: WASH AREA WITH SOAP AND WATER. SEEK MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO FRESH AIR. RESTORE BREATHING, IF REQUIRED. SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION: DRINK LARGE QUANTITIES OF WATER, INDUCE VOMITTING. SEEK MEDICAL ATTENTION IMMEDIATELY.

**SECTION VII PRECAUTIONS FOR SAFE HANDLING & USE**

ACTIONS TO TAKE FOR SPILLS: WEAR APPROPRIATE PERSONAL PROTECTIVE CLOTHING. IF SPILL IS INDOOR, VENTILATE AREA OF SPILL. PLACE ABSORBENT SWEEPING COMPOUND ON SPILL. SCOOP UP WITH SHOVEL AND PLACE IN SUITABLE CONTAINER.

WASTE DISPOSAL: DISPOSE OF VIA A LICENSED DISPOSAL FIRM IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN HANDLING AND STORAGE: MINIMIZE BREATHING OF VAPORS AND PROLONGED OR REPEATED CONTACT WITH SKIN. REMOVE ALL SOURCES OF IGNITION. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.

STORE AWAY FROM INCOMPATIBLES. STORE IN A COOL, DRY, WELL VENTILATED AREA.

OTHER PRECAUTIONS: AVOID RUN-OFF INTO STORM SEWERS AND DITCHES, WHICH MAY LEAD TO NATURAL WATERWAYS. THIS MATERIAL IS HEAT, FRICTION AND IMPACT SENSITIVE. CARE SHOULD BE TAKEN TO AVOID THESE CONDITIONS DURING STORAGE, TRANSFER AND USE.

**SECTION VIII EMPLOYEE PROTECTION MEASURES**

VENTILATION: LOCAL VENTILATION IS PREFERRED TO MEET TLV REQUIREMENTS.

GENERAL VENTILATION IS ACCEPTABLE IF EXPOSURE IS MAINTAINED BELOW THE TLV.

RESPIRATORY PROTECTION: NIOSH-APPROVED DUST RESPIRATOR RECOMMENDED IF DUSTY CONDITIONS EXIST.

EYE PROTECTION: SAFETY GLASSES OR SAFETY GOGGLES

PROTECTIVE GLOVES: CHEMICALLY RESISTANT GLOVES

OTHER PROTECTIVE EQUIPMENT: CLOTHING SUITABLE TO PREVENT SKIN CONTACT.

WORK/HYGIENE PRACTICES: WASH THOROUGHLY AFTER HANDLING PRODUCT. DO NOT EAT, DRINK, OR SMOKE IN AREAS OF PRODUCT HANDLING. EYEWASH STATION AND SAFETY SHOWER SHOULD BE AVAILABLE IN AREAS OF USE.

**SECTION IX DOT INFORMATION**

UN NUMBER: UN 1479

HAZARD CLASS: OXIDIZER 5.1

PROPER SHIPPING: OXIDIZING SOLID, N.O.S. (SODIUM METAPERIODATE)

PACKING GROUP: PG III

**SECTION X PREPARATION INFORMATION**

PREPARED BY: ALBATROSS USA

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