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OSHA'S HAZARD COMMUNICATION STANDARD
U.S. DEPARTMENT OF LABOR
MATERIAL SAFETY DATA SHEET
MSDS

29 CFR 1910.1200
IDENTITY NO: CH6600 thru CH6650

OMB NO: 1218-0072
NAME: HARDROCK OXALIC ACID POWDER

SECTION 1

MANUFACTURER'S/SHIPPER'S NAME: International Polishing Techniques, Inc.
ADDRESS: 6683 SCHUSTER STREET
CITY: LAS VEGAS STATE: NEVADA
DATE PREPARED: 4/15/02
PHONE:(702) 895-9865
CONTACT:KEN WILLIAMS
EMERGENCY PHONE(CHEMTREC):(800) 424-9300

SECTION 2- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Table with 5 columns: HAZARDOUS COMPONENTS, CAS#, OSHA PEL, ACGIH TLV, WEIGHT %. Row 1: OXALIC ACID, 144-62-7, 1 mg/m3, 1 mg/m3, N/A

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:150° C
VAPOR PRESSURE:N/A
VAPOR DENSITY: N/A
SOLUBILITY IN WATER: 9.5 g/1 @ 20° C
APPEARANCE AND ODOR: WHITE OR COLORLESS CRYSTAL/ODORLESS
SPECIFIC GRAVITY: 1.65
MELTING POINT: 102° C
EVAPORATION RATE:N/A
VOC CONTENT:<10 G/L

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE
LEL: NOT TESTED
pH: (5% SOLUTION): 1
NFPA HAZARD RATING H F R S
(0=LEAST, 4=EXTREME) 3 1 0 0
FLAMMABLE LIMITS: NOT TESTED
UEL: NOT TESTED
DOT #: ORM-D

EXTINGUISHING MEDIA: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY PRODUCE HAZARDOUS IRRITATING GAS INCLUDING FORMIC ACID, CARBON MONOXIDE/DIOXIDE. CONTAIN RUNOFF FROM ENTERING STREAMS OR WATER SYSTEMS.

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID:NONE
INCOMPATIBLE MATERIALS TO AVOID: STRONG OXIDIZERS, ALKALIES, CHLORITES, HYPROCHLORITES.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO, CO2, FORMIC ACID
HAZARDOUS POLYMERIZATION:NONE

SECTION 6 - HEALTH HAZARD DATA

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ROUTES OF ENTRY

INHALATION: POSSIBLE

INGESTION: POSSIBLE

SKIN: POSSIBLE

HEALTH HAZARDS: SAME SIGNS & SYMPTOMS OF EXPOSURE

OSHA CARCINOGENICITY: NONE

NTP: NONE

IARC MONOGRAPHS: NONE

SIGNS & SYMPTOMS OF OVER EXPOSURE:

EYES: IRRITATION, BURNING SENSATION

SKIN: IRRITATION, DRYING BURNING SENSATION

INGESTION: BURNING SENSATION, NAUSEA

INHALATION: BURNING SENSATION, NAUSEA

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

SAME AS SIGNS AND SYMPTOMS OF OVER EXPOSURE.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

CAN CAUSE BURNS TO EYES, SKIN, MOUTH, THROAT, AND STOMACH. CAN CAUSE SYSTEMIC EFFECTS, DUE TO REMOVAL OF CALCIUM FROM BLOOD. KIDNEY DAMAGE IS POSSIBLE.

EMERGENCY FIRST AID PROCEDURES:

EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS CALL PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER, ESPECIALLY BETWEEN NAILS. IF IRRITATION PERSISTS CALL PHYSICIAN.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE AMOUNTS OF WATER OR MILK. SEEK MEDICAL ATTENTION.

INHALATION: REMOVE VICTIM TO FRESH AIR, IF NOT BREATHING; GIVE ARTIFICIAL RESPIRATION, IF BREATHING IS DIFFICULT; GIVE OXYGEN. SEEK MEDICAL ATTENTION.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SWEEP UP MATERIAL AND PLACE IN A PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL, DRY PLACE THAT IS WELL VENTILATED.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOLLOW DIRECTIONS ON THE CONTAINER FOR PROPER USE OF THIS PRODUCT.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: OPEN ALL DOORS AND WINDOWS. EXPOSURES ABOVE THE TLV OR PEL REQUIRE A NIOSH APPROVED RESPIRATOR EQUIPPED FOR THE EXPOSURE OR SUITABLE RESPIRATORY PROTECTION PER 29 CFR 1910.134.

VENTILATION LOCAL EXHAUST: IF AVAILABLE

SPECIAL: NONE

MECHANICAL: IF AVAILABLE

OTHER: NONE

PROTECTIVE GLOVES: RUBBER, PLASTICS

EYE PROTECTION: GLASSES, GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL RESISTANT CLOTHING

WORK HYGIENIC PRACTICES: USE COMMON SENSE AND CARE AROUND CHEMICALS. NEVER MIX CHEMICALS. CONSULT YOUR SUPERVISOR FOR OTHER PRACTICES. ALL PRACTICES DEPEND ON YOUR SPECIFIC BUSINESS. DIRECTIONS FOR USE ARE NORMALLY FOUND ON LABEL WHICH WILL DICTATE ENGINEERING AND CONTROL MEASURES.

OTHER SPECIAL REQUIREMENTS: NONE