ATTN: SAFETY DIRECTOR  
STATE OF WISCONSIN  
DEPARTMENT OF JUSTICE  
STATE CRIME LAB  
PO BOX 7857  
MADISON WI 53707

DATE: 07/15/91  
CUST#: 523143  
PNT: JDB0129

MATERIAL SAFETY DATA SHEET  
PAGE 1

-------------  IDENTIFICATION  -------------

PRODUCT #: 21117-6  
CAS #: 7783-00-8  
MF: H2O3S

SYNONYMS  
RCRA WASTE NUMBER U204 * SELENNIUM DIOXIDE *

-------------  TOXICITY HAZARDS  -------------

REVIEW, STANDARDS, AND REGULATIONS  
ACGIH TLV-Thr 0.2 mg(SE)/m3  B3INAB 5,517,86  
MSHA STANDARD-AIR: 0.2 mg(SE)/m3  FELAC 54,2923,99  
OSHA PERL: 8H TW 0.2 mg(SE)/m3  FELAC 54,2923,99

ON EPA IRIS DATABASE

CSLN#: NX05656

--- HEALTH HAZARD DATA ---

ACUTE EFFECTS  
MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN.  
CAUSES EYE AND SKIN IRRITATION.  
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.  
TARGET ORGAN(S): LIVER  
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT-BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

CONTINUED ON NEXT PAGE
PRODUCT #: 21117-6  
CAS #: 7783-00-8  
MF: H203SE  

NAME: SELENIOUS ACID, 98%  

----- HEALTH HAZARD DATA -----  

WASH CONTAMINATED CLOTHING BEFORE REUSE.  

----- PHYSICAL DATA -----  

MELTING PT: 70 C (DEC)  
SPECIFIC GRAVITY: 3.004  
APPEARANCE AND ODOR: WHITE CHUNKS  

----- FIRE AND EXPLOSION HAZARD DATA -----  

EXTINGUISHING MEDIA  
WATER SPRAY  
SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.  
OXIDIZER:  
UNUSUAL FIRE AND EXPLOSIONS HAZARDS: CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.  

----- REACTIVITY DATA -----  

INCOMPATIBILITIES: STRONG REDUCING AGENTS  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: SELENIUM/SELENIUM OXIDES  

----- SPILL OR LEAK PROCEDURES -----  

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
EVACUATE AREA.  
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.  
ASTE DISPOSAL METHOD: BURY IN A LANDFILL SITE APPROVED FOR THE DISPOSAL OF CHEMICAL AND HAZARDOUS WASTES.  
OBSERVE ALL FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.  

CONTINUED ON NEXT PAGE
--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

USE ONLY IN A CHEMICAL FUME HOOD.

SAFETY SHOWER AND EYE BATH.

AVOID BREATHING DUST.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

HIGHLY TOXIC.

IRRITANT.

KEEP TIGHTLY CLOSED.

KEEP AWAY FROM COMBUSTIBLE MATERIALS, HEAT, SPARKS, AND OPEN FLAME.

HYDROSCOPIC.

STORE IN A COOL DRY PLACE.

REGULATORY INFORMATION

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY CLAIM RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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