

SENTURY REAGENTS, INC.
FINE CHEMICALS

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REVISION DATE: 4-07-99

SULFURATED POTASH:

MSDS DATE: 9-15-89

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: SULFURATED POTASH

FORMULA:
FORMULA WEIGHT:
CAS NUMBER: 39365-88-3
COMMON SYNONYMS: LIVER OF SULFUR

HAZARDOUS INFORMATION

HARMFUL INFORMATION STATEMENTS: **WARNING!** HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. CAUSES IRRITATION. THERE IS INSUFFICIENT DATA IN THE PUBLISHED LITERATURE TO ASSIGN COMPLETE NUMERICAL SAFETY RATINGS AND LABORATORY PROTECTIVE EQUIPMENT FOR THIS PRODUCT. SPECIAL PRECAUTIONS MUST BE USED IN STORAGE, USE AND HANDLING.

PROTECTIVE EQUIPMENT FOR LABORATORY BENCH USE SHOULD BE CHOSEN USING PROFESSIONAL JUDGEMENT BASED ON THE SIZE AND TYPE OF REACTION OR TEST TO MINIMIZE CONTACT WITH THE CHEMICAL. AVOID CONTACT WITH EYES, SKIN, CLOTHING. KEEP IN TIGHTLY CLOSED CONTAINER. WASH THOROUGHLY AFTER HANDLING.

SECTION II HAZARDOUS COMPONENTS

SULFURATED POTASH COMPONENTS % 90-100 CAS NUMBER: 39365-88-3

SECTION III PHYSICAL DATA

BOILING POINT: N/A MELTING POINT: 89 DEGREES C / 192 DEGREES F
VAPOR PRESSURE: (mmHg): N/A VAPOR DENSITY (AIR = 1): 8.7
SPECIFIC GRAVITY (H₂O = 1): N/A EVAPORATION RATE (BUTYL ACETATE = 1): N/A
SOLUBILITY (H₂O): COMPLETE (IN ALL PROPORTIONS) % VOLATILES BY VOLUME: 0
APPEARANCE % ODOR: BROWN TO YELLOWISH BROWN LUMPS, SLIGHT H₂S ODOR

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: N/A NFPA 704M RATING: 2-1-0
FIRE EXTINGUISHING MEDIA: USE EXTINGUISHING MEDIA APPROPRIATED FOR SURROUNDING FIRE. TOXIC GASES PRODUCED: SULFUR DIOXIDE
SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN POSITIVE PRESSURE MODE.

SECTION V HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: NO EFFECTS OF OVEREXPOSURE WERE DOCUMENTED.
EMERGENCY AND FIRST AID: CALL A PHYSICIAN
IF SWALLOWED: IN CONSCIOUS, IMMEDIATELY INDUCE VOMITING.

SECTION V HEALTH HAZARD DATA CONTINUED

IN CASE OF CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. FLUSH SKIN WITH WATER. IF INHALED: REMOVE TO FRESH AIR, IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT GIVE OXYGEN.

SECTION VI REACTIVITY DATA

STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: AIR, HEAT, FLAME, OTHER SOURCES OF IGNITION. DECOMPOSITION PRODUCTS: HYDROGEN SULFIDE, OXIDES OF SULFUR
INCOMPATIBLES: STRONG ACIDS, ALCOHOLS, STRONG OXIDIZING AGENTS, STRONG REDUCING AGENTS, COMBUSTIBLE MATERIAL, MOST COMMON METALS.

SECTION VII SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE: WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.
DISPOSAL PROCEDURE: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION VIII INDUSTRIAL PROTECTIVE EQUIPMENT

EYE/SKIN PROTECTION: SINCE SOME OF THE HAZARDS OF THIS PRODUCT ARE UNKNOWN, AN INDUSTRIAL HYGIENIST SHOULD BE CONSULTED ON VENTILATION AND PERSONAL PROTECTIVE EQUIPMENT. COVER THE BODY AS MUCH AS POSSIBLE TO AVOID CONTACT WITH THE CHEMICAL. WEAR SAFETY GOGGLES, GLOVES AND IMPERVIOUS CLOTHING.

SECTION IX STORAGE AND HANDLING PRECAUTIONS

SPECIAL PRECAUTIONS: KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL, DRY, WELL VENTILATED AREA, AWAY FROM HEAT, SPARKS OR FLAME.

SECTION X TRANSPORTATION DATA AND ADDITIONAL INFORMATION

PROPER SHIPPING NAME: CHEMICALS N.O.S. (SULFURATED POTASH)

DOMESTIC (D.O.T.)

REPORTABLE QUANTITY:

INTERNATIONAL (I.M.O.)

N/A = NOT APPLICABLE OR NOT AVAILABLE

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE