

MSDS Information Sheet - SOL-600.04

TRADE NAME/SYNONYMS...: LIVER OF SULFER 4 OZ  
CHEMICAL NAME/SYNONYMS: SULFURATED POTASH  
CHEMICAL FAMILY.....:  
FORMULA.....: MIXTURE OF K2SX AND K2S2O3  
PRODUCT CODE.....: 45.689

\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

DOES PRODUCT CONTAIN HAZARDOUS INGREDIENTS? (Y,N,N/A,N/I) : Y

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
SULFURATED POTASH	39365-88-3	>90	N/A	N/A

DOES PRODUCT CONTAIN CARCINOGENS (NTP, IARC, OR OSHA)? (Y,N,N/A,N/I): N

\*\*\*\*\* HEALTH HAZARD DATA \*\*\*\*\*

HEALTH EFFECTS (ACUTE AND CHRONIC)

INHALATION; EXCESSIVE INHALATION IS IRRITATING, MAY CAUSE RESPIRATORY DAMAGE.  
SKIN CONTACT; SEVERE IRRITATION OR BURNS.  
EYE CONTACT; SEVERE IRRITATION OR BURNS.  
SKIN ABSORPTION; NONE IDENTIFIED.  
INGESTION; IRRITATION AND BURNS TO MOUTH AND STOMACH, NAUSEA, VOMITING,  
DIARRHEA.  
CHRONIC EFFECTS: NONE IDENTIFIED

PRIMARY ROUTES OF ENTRY

INGESTION, INHALATION, SKIN CONTACT, EYE CONTACT.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
RESPIRATORY SYSTEM DISEASE.

EMERGENCY FIRST AID PROCEDURES

INGESTION: CALL A PHYSICIAN. IF SWALLOWED, IF CONSCIOUS, GIVE LARGE AMOUNT OF MILK, MILK OF MAGNESIA, OR WHITES OF EGGS BEATEN WITH WATER. INDUCE VOMITING.  
INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. PROMPT ACTION IS ESSENTIAL.  
SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE RE-USE.

EYE CONTACT; IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

## \*\*\*\*\* CHEMICAL DATA \*\*\*\*\*

BOILING POINT(F).....	N/A	SPECIFIC GRAVITY(WATER=1).....	N/A
VAPOR PRESSURE(MMHG)	N/A	PERCENT VOLATILE BY VOLUME(%).....	0 @21C
VAPOR DENSITY(AIR=1)	N/A	EVAP RATE( N/A =1)	N/A

SOLUBILITY IN WATER.. APPRECIABLE (>10%)

## APPEARANCE AND ODOR INFORMATION

YELLOW-BROWN TO BROWN LUMPS. FAINT HYDROGEN SULFIDE ODOR.

## \*\*\*\*\* PHYSICAL HAZARD DATA \*\*\*\*\*

FLASH POINT (METHOD USED) N/A FLAMMABLE LIMITS-LEL= N/A UEL= N/A

## EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

## SPECIAL FIRE FIGHTING PROCEDURES

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

DUST MAY FORM EXPLOSIVE MIXTURE WITH AIR.

## \*\*\*\*\* REACTIVITY DATA \*\*\*\*\*

## INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS,ALCOHOLS,STRONG OXIDIZING AGENTS,STRONG REDUCING AGENTS,CONBUST-IBLE MATERIALS,MOST COMMON METALS,ZINC, ALUMINUM,HALOGENATED HYDROCARBONS.

## HAZARDOUS DECOMPOSITION PRODUCTS

HYDROGEN SULFIDE, OXIDES OF SULFUR.

## WILL HAZARDOUS POLYMERIZATION OCCUR

NO

## CONDITIONS TO AVOID/POLYMERIZATION

N/A

## IS THE PRODUCT STABLE

STABLE

CONDITIONS TO AVOID/STABILITY

AIR, HEAT, FLAME, OTHER SOURCES OF IGNITION, DUSTING.

\*\*\*\*\* SPILL AND LEAK PROCEDURES \*\*\*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

\*\*\*\*\* EXPOSURE CONTROL INFORMATION \*\*\*\*\*

VENTILATION

LOCAL EXHAUST	YES TO MEET TLV REQ.	MECHANICAL (GEN)	YES TO MEET TLV REQ.
SPECIAL.....	N/A	OTHER.....	N/A

RESPIRATORY PROTECTION

NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A DUST/MIST RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

PROTECTIVE GLOVES

PROPER GLOVES

OTHER PROTECTIVE EQUIPMENT

SAFETY GOGGLES.

OTHER ENGINEERING CONTROLS

N/A

WORK PRACTICES

N/A

HYGIENIC PRACTICES

N/A

\*\*\*\*\* SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

KEEP CONTAINER TIGHTLY CLOSED. STORE IN COOL, DRY, WELLO VENTILATED AREA, AWAY FROM HEAT, SPARKS OR FLAME.

MAINTENANCE PRECAUTIONS

N/A

OTHER PRECAUTIONS

N/A

OTHER COMMENTS

PERMISSIBLE EXPOSURE LIMIT (PEL) 15 MH/M3

THRESHHOLD LIMIT VALUE (TLV/TWA) 10MG/M3