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1 - PRODUCT IDENTIFICATION  
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PRODUCT NAME: LEAD SULFATE  
FORMULA: PbSO4  
FORMULA WT: 303.25  
CAS NO.: 07446-14-2  
NIOSH/RTECS NO.: OG4375000  
COMMON SYNONYMS: LEAD(II)SULFATE; SULFURIC ACID, LEAD(2+)SALT(1:1)  
PRODUCT CODES: 2356  
EFFECTIVE: 10/22/85  
REVISION #01

PRECAUTIONARY LABELLING

BAKER SAF-T-DATA(TM) SYSTEM

HEALTH - 3 SEVERE (LIFE)  
FLAMMABILITY - 0 NONE  
REACTIVITY - 0 NONE  
CONTACT - 3 SEVERE (CORROSIVE)

HAZARD RATINGS ARE 0 TO 4 (0 = NO HAZARD; 4 = EXTREME HAZARD).

LABORATORY PROTECTIVE EQUIPMENT

GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

PRECAUTIONARY LABEL STATEMENTS

POISON DANGER  
EXCEPTIONAL HEALTH HAZARD - READ MATERIAL SAFETY DATA SHEET  
MAY BE FATAL IF SWALLOWED OR INHALED  
CAUSES BURNS

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.  
DO NOT BREATHE DUST. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE  
VENTILATION. WASH THOROUGHLY AFTER HANDLING.

SAF-T-DATA(TM) STORAGE COLOR CODE: WHITE (CORROSIVE)

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2 - HAZARDOUS COMPONENTS  
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COMPONENT	%	CAS NO.
LEAD SULFATE	90-100	7446-14-2

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3 - PHYSICAL DATA  
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BOILING POINT: N/A VAPOR PRESSURE(MM HG): N/A  
MELTING POINT: 1170 C ( 2138 F) VAPOR DENSITY(AIR=1): N/A

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SPECIFIC GRAVITY: 6.20 EVAPORATION RATE: N/A  
(H2O=1) (BUTYL ACETATE=1)  
SOLUBILITY(H2O): NEGLIGIBLE (LESS THAN 0.1 %) % VOLATILES BY VOLUME: 0  
APPEARANCE & ODOR: WHITE, CRYSTALLINE POWDER.

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4 - FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT (CLOSED CUP N/A NFPA 704M RATING: 4-0-0  
FLAMMABLE LIMITS: UPPER - N/A % LOWER - N/A %

FIRE EXTINGUISHING MEDIA  
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES  
FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED  
(POSITIVE PRESSURE IF AVAILABLE) BREATHING APPARATUS WITH FULL FACEPIECE.  
MOVE EXPOSED CONTAINERS FROM FIRE AREA IF IT CAN BE DONE WITHOUT RISK.  
USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.

UNUSUAL FIRE & EXPLOSION HAZARDS  
CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE.

TOXIC GASES PRODUCED  
SULFUR DIOXIDE

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5 - HEALTH HAZARD DATA  
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THRESHOLD LIMIT VALUE (TLV/TWA): 0.15 MG/M3 ( PPM)

TOXICITY: LD50 (IPR-GUINEA PIG) (MG/KG) - 290

CARCINOGENICITY: NTP: NO IARC: NO Z LIST: NO OSHA REG: NO

EFFECTS OF OVEREXPOSURE

INHALATION MAY BE HARMFUL OR FATAL.  
CHRONIC EFFECTS RESULTING FROM LOW LEVEL EXPOSURE TO LEAD COMPOUNDS  
MAY INCLUDE ANEMIA, KIDNEY DAMAGE, IMPAIRED EYESIGHT, AND LEAD  
BUILD-UP IN THE CENTRAL NERVOUS SYSTEM (PARTICULARLY THE BRAIN).

TARGET ORGANS

NONE IDENTIFIED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NONE IDENTIFIED

ROUTES OF ENTRY

NONE INDICATED

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MSDS for LEAD SULFATE

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EMERGENCY AND FIRST AID PROCEDURES

CALL A PHYSICIAN.  
IF SWALLOWED, IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR  
AT LEAST 15 MINUTES.

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6 - REACTIVITY DATA  
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STABILITY: STABLE HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

DECOMPOSITION PRODUCTS: OXIDES OF SULFUR  
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7 - SPILL AND DISPOSAL PROCEDURES  
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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.

EPA HAZARDOUS WASTE NUMBER: D008 (EP TOXIC WASTE)

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8 - PROTECTIVE EQUIPMENT  
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VENTILATION: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

RESPIRATORY PROTECTION: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A HIGH-EFFICIENCY PARTICULATE RESPIRATOR IS RECOMMENDED. IF CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

EYE/SKIN PROTECTION: SAFETY GOGGLES, UNIFORM, APRON, PROPER GLOVES ARE RECOMMENDED.

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9 - STORAGE AND HANDLING PRECAUTIONS  
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SAF-T-DATA(TM) STORAGE COLOR CODE: WHITE (CORROSIVE)

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SPECIAL PRECAUTIONS  
KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA.

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10 - TRANSPORTATION DATA AND ADDITIONAL INFORMATION  
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DOMESTIC (D.O.T.)

PROPER SHIPPING NAME	LEAD SULFATE
HAZARD CLASS	ORM-E
LABELS	NONE
REPORTABLE QUANTITY	100 LBS.

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME	LEAD COMPOUNDS, SOLUBLE, N.O.S. (LEAD SULFATE)
HAZARD CLASS	6.1
UN/NA	UN2291
LABELS	HARMFUL - STOW AWAY FROM FOOD STUFFS