PREPITATED SULFUR

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: PRECIPITATED SULFUR
FORMULA: S
FORMULA WT: 256.51
CAS NO.: 07704-34-9
NIOSH/RTCS NO.: WS4250000
COMMON SYNONYMS: BRIMSTONE; BENSULFOID; FLOWERS OF SULFUR
PRODUCT CODES: 4084, 4088

SECTION II - HAZARDOUS COMPONENTS

COMPONENT

SECTION III - PHYSICAL DATA

BOILING POINT: 445 C (833 F)
MELTING POINT: 116 C (241 F)
SPECIFIC GRAVITY: 2.01 (H2O=1)

SOLUBILITY(H2O): NEGLIGIBLE (LESS THAN 0.1 %)
% VOLATILES BY VOLUME: 0
APPEARANCE & ODOR: ODORLESS, YELLOW POWDER, CRYSTALS OR SOLIDS.

WARNING
DUST MAY FORM FLAMMABLE OR EXPLOSIVE MIXTURE WITH AIR.
KEEP AWAY FROM HEAT, SPARKS, FLAME.
DURING USE AVOID CONTACT WITH EYES, SKIN, CLOTHING. WASH THOROUGHLY AFTER HANDLING. WHEN NOT IN USE KEEP IN TIGHTLY CLOSED CONTAINER.

NOT APPLICABLE

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 188 C (370 F)  NFPA 704M RATING: 1-1-0

FIRE EXTINGUISHING MEDIA
USE WATER SPRAY, ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

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 & EXPLOSION HAZARDS
WHEN HEATED TO DECOMPOSITION, TOXIC FUMES OF SULFUR DIOXIDES ARE Emitted.

TOXIC GASES PRODUCED
SULFUR DIOXIDE

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE
NO EFFECTS OF OVEREXPOSURE WERE DOCUMENTED.

EMERGENCY AND FIRST AID PROCEDURES
INGESTION: IF SWALLOWED AND THE PERSON IS CONSCIOUS, IMMEDIATELY GIVE LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.
INHALATION: IF A PERSON BREATHEs IN LARGE AMOUNTS, MOVE THE EXPOSED PERSON TO FRESH AIR. GET MEDICAL ATTENTION.
EYE CONTACT: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
SKIN CONTACT: IMMEDIATELY WASH WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE  HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HEAT, FLAME, OTHER SOURCES OF IGNITION

INCOMPATIBLES: STRONG OXIDIZING AGENTS, MOST COMMON METALS, HYDROGEN, CHLORINE, FLUORINE, ORGANIC MATERIALS AT ELEVATED TEMPERATURES

DECOMPOSITION PRODUCTS: OXIDES OF SULFUR

SECTION VII - SPILL AND DISPOSAL PROCEDURES

EPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE
WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE.

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

SECTION VIII - PROTECTIVE EQUIPMENT

VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

RESPIRATORY PROTECTION: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK.

EYE/SKIN PROTECTION: SAFETY GLASSES WITH SIDESHIRLDS, PROPER GLOVES ARE RECOMMENDED.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

F-T-DATA(TM) STORAGE COLOR CODE: ORANGE

SPECIAL PRECAUTIONS
KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

PROPER SHIPPING NAME SULFUR, SOLID (WATER ONLY)
HAZARD CLASS ORM-C
UN/NA UN1350
LABELS NONE

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME SULPHUR, POWDER
HAZARD CLASS 4.1
UN/NA UN1350
LABELS FLAMMABLE SOLID

(TM) AND (R) DESIGNATE TRADEMARKS.
N/A = NOT APPLICABLE OR NOT AVAILABLE

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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 THIS INFORMATION FOR CONTINUED ON PAGE: 4
THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.

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