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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: S8018  
NAME: SODIUM SULFITE ANHYDROUS ACS REAGENT

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 7757-83-7  
MF: NA2O3S  
EC NO: 231-821-4

SYNONYMS

ANHYDROUS SODIUM SULFITE \* DISODIUM SULFITE \* EXSICCATED SODIUM  
SULFITE \* SULFTECH \* NATRIUMSULFIT (GERMAN) \* SODIUM SULFITE \* SODIUM  
SULFITE ANHYDROUS \* SODIUM SULPHITE \* SULFUROUS ACID, DISODIUM SALT \*  
SULFUROUS ACID, SODIUM SALT (1:2) \* S-WAT \*

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

HARMFUL  
HARMFUL IF SWALLOWED.  
IRRITATING TO EYES AND SKIN.  
LIMITED EVIDENCE OF CARCINOGENIC EFFECT.  
POSSIBLE MUTAGEN.  
POSSIBLE SENSITIZER.  
TARGET ORGAN(S):  
CENTRAL NERVOUS SYSTEM  
DO NOT BREATHE DUST.  
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE.  
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF  
WATER FOR AT LEAST 15 MINUTES.  
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS  
AMOUNTS OF WATER.  
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.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA  
NONCOMBUSTIBLE.  
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.  
SPECIAL FIREFIGHTING PROCEDURES  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO  
PREVENT CONTACT WITH SKIN AND EYES.  
UNUSUAL FIRE AND EXPLOSIONS HAZARDS  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY  
RUBBER GLOVES.  
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
AVOID RAISING DUST.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -  
 WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT  
 GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.  
 SAFETY SHOWER AND EYE BATH.  
 MECHANICAL EXHAUST REQUIRED.  
 DO NOT BREATHE DUST.  
 AVOID CONTACT WITH EYES, SKIN AND CLOTHING.  
 AVOID PROLONGED OR REPEATED EXPOSURE.  
 WASH THOROUGHLY AFTER HANDLING.  
 HARMFUL SOLID.  
 IRRITANT.  
 POSSIBLE MUTAGEN.  
 POSSIBLE SENSITIZER.  
 KEEP TIGHTLY CLOSED.  
 STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -  
 APPEARANCE AND ODOR  
 WHITE CRYSTALS  
 PHYSICAL PROPERTIES  
 SPECIFIC GRAVITY: 2.633

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -  
 INCOMPATIBILITIES  
 STRONG ACIDS  
 AIR SENSITIVE  
 MOISTURE SENSITIVE  
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
 SULFUR OXIDES

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -  
 ACUTE EFFECTS  
 HARMFUL IF SWALLOWED.  
 MAY BE HARMFUL IF INHALED.  
 MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.  
 CAUSES EYE AND SKIN IRRITATION.  
 MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER  
 RESPIRATORY TRACT.  
 PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN  
 SENSITIVE INDIVIDUALS.

CHRONIC EFFECTS  
 POSSIBLE MUTAGEN.  
 THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS  
 TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP OR EPA  
 CLASSIFICATION.  
 TARGET ORGAN(S):  
 CENTRAL NERVOUS SYSTEM  
 TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
 TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

ADDITIONAL INFORMATION  
 INGESTION RESULTS IN IRRITATION OF THE GASTROINTESTINAL TRACT. LARGE  
 DOSES MAY CAUSE VIOLENT COLIC AND DIARRHEA, CIRCULATORY DISTURBANCES,  
 CENTRAL NERVOUS DEPRESSION AND EVEN DEATH. PERSONS WITH ALLERGIES AND/  
 OR ASTHMA MAY EXHIBIT HYPERSENSITIVITY TO SULFITES.

RTECS #: WE2150000  
 SODIUM SULFITE (2:1)

TOXICITY DATA

ORL-RAT LD50:3560 MG/KG	IJT OFN 19,349,2000
ORL-MUS LD50:820 MG/KG	TRENAF 27,159,1976
IPR-MUS LD50:950 MG/KG	ARZNAD 31,1713,1981
IVN-MUS LD50:175 MG/KG	JPETAB 101,101,1951

TARGET ORGAN DATA  
 BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD)  
 LUNGS, THORAX OR RESPIRATION (RESPIRATORY DEPRESSION)  
 LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)  
 ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES  
 (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR

COMPLETE INFORMATION.