Material Safety Data Sheet

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 * Exsiccat Sulfite * Sulftech * Natriumsulfit (German) * Sodium Sulfite * Sodium Sulfite Anhydrous * Sodium Sulfite * Sulfite * Sulfuric Acid, Disodium Salt * Sulfuric 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 IJTOFN 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.

SECTION 12. - - - - - - - - - ECOLOGICAL INFORMATION - - - - - - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - - - -
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - - - TRANSPORT INFORMATION - - - - - - - - - -
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORT INFORMATION.

SECTION 15. - - - - - - - - - - REGULATORY INFORMATION - - - - - - - - - -
EUROPEAN INFORMATION

HARMFUL
R 22
HARMFUL IF SWALLOWED.
R 36/38
IRRITATING TO EYES AND SKIN.
R 40
LIMITED EVIDENCE OF CARCINOCGENIC EFFECT.
S 22
DO NOT BREATHE DUST.
S 26
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
S 36
WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
IARC CANCER REVIEW: HUMAN INADEQUATE EVIDENCE IMEMDT 54,131,1992
IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 54,131,1992
IARC CANCER REVIEW: GROUP 3 IMEMDT 54,131,1992
EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
FEREAC 54,7740,1989
NOES 1983: HZD X5886; NIS 177; TNF 31580; NOS 116; TNE 309663; TFE
122038
EPA GENETOX PROGRAM 1988, POSITIVE: S CEREVISIAE-REVERSION
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

SECTION 16. - - - - - - - - - - OTHER INFORMATION - - - - - - - - - -
THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH,
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