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BIOCHEMICALS AND DIAGNOSTIC REAGENTS

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DATE 06/04/96
CUST#: 2-097-94804
PO#: UNF-64248

MATERIAL SAFETY DATA SHEET PAGE 1

THIS MSDS IS FOR A COMPONENT OF CATALOG #: 661-8

SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: S0505
NAME: SODIUM SULFITE ANHYDROUS

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) \*

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
HARMFUL IF SWALLOWED.
IRRITATING TO EYES AND SKIN.
POSSIBLE RISK OF IRREVERSIBLE EFFECTS.
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

CONTINUED ON NEXT PAGE

BRANCH OFFICES AT:

Table listing branch offices for SIGMA-ALDRICH in various countries including USA, Germany, France, Italy, Australia, Brazil, India, and South Korea.

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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                      P A G E   2**

THIS MSDS IS FOR A COMPONENT OF CATALOG #: **661-8**

**CATALOG #:** S0505  
**NAME:** SODIUM SULFITE ANHYDROUS

**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 CRYSTALLINE POWDER

**PHYSICAL PROPERTIES**  
**SPECIFIC GRAVITY:** 2.633

**SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -**

**INCOMPATIBILITIES**  
 STRONG ACIDS  
 AIR SENSITIVE

**CONTINUED ON NEXT PAGE**

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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 PAGE 3

THIS MSDS IS FOR A COMPONENT OF CATALOG #: 661-8

CATALOG #: S0505  
 NAME: SODIUM SULFITE ANHYDROUS

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-MUS LD50:820 MG/KG	TRENAF 27,159,76
IPR-MUS LD50:950 MG/KG	ARZNAD 31,1713,81
IVN-MUS LD50:175 MG/KG	JPETAB 101,101,51

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.

CONTINUED ON NEXT PAGE

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CATALOG #:                      S0505  
 NAME:                              SODIUM SULFITE ANHYDROUS

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 TRANSPORTATION INFORMATION.

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

EUROPEAN INFORMATION

HARMEFUL  
 R 22  
 HARMEFUL IF SWALLOWED.  
 R 36/38  
 IRRITATING TO EYES AND SKIN.  
 R 40  
 POSSIBLE RISK OF IRREVERSIBLE EFFECTS.  
 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 54,131,92  
 IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 54,131,92  
 IARC CANCER REVIEW:GROUP 3 IMEMDT 54,131,92  
 EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION  
 FEREAC 54,7740,89  
 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 TEST SUBMISSION (TSCATS) DATA BASE, OCTOBER 1995

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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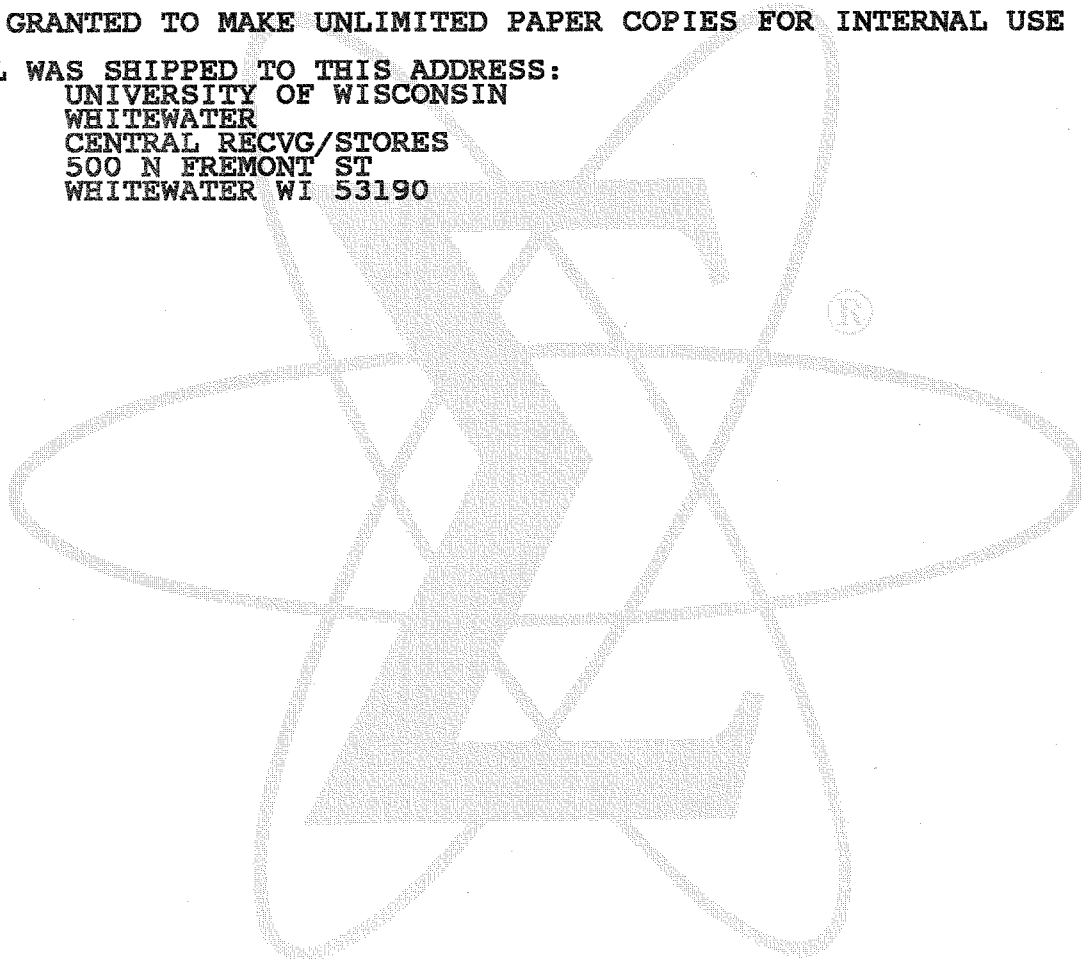
**M A T E R I A L   S A F E T Y   D A T A   S H E E T                      P A G E   5**

THIS MSDS IS FOR A COMPONENT OF CATALOG #: **661-8**

**CATALOG #:** S0505  
**NAME:** SODIUM SULFITE ANHYDROUS

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