

FISHER SCIENTIFIC, CHEMICAL DIV. -- S421--500 SODIUM SULFATE ANHYDROUS --
6810-00-234-8377

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===== Product Identification =====

Product ID:S421--500 SODIUM SULFATE ANHYDROUS
MSDS Date:12/21/1994
FSC:6810
NIIN:00-234-8377
MSDS Number: BDLMV
=== Responsible Party ===
Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.
Address:1 REAGENT LANE
City:FAIR LAWN
State:NJ
ZIP:07410
Country:US
Info Phone Num:201-79
6-7100
Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)
Preparer's Name:GASTON PILLORI
CAGE:1B464
=== Contractor Identification ===
Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV
Address:1 REAGENT LANE
Box:City:FAIRLAWN
State:NJ
ZIP:07410-2802
Country:US
Phone:201-796-7100
CAGE:1B464

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===== Composition/Information on Ingredients =====

Ingred Name:SODIUM SULFATE
CAS:7757-82-6
RTECS #:WE1650000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED

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==== Hazards Identification =====

LD50 LC50 Mixture:ORAL, MOUSE, LD50=5989MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SKIN/EYE:MAY CAUSE IRRIT.INGEST:INGEST
OF LG AMTS MAY CAUSE GASTROINTESTINAL IRRIT.INHAL:MAY CAUSE
RESPIRATORY TRACT IRRIT.CHRONIC:NO INFO FOUND.
Explanation of Carcinogenicity:PER MSDS:NOT LISTED BY
ACGIH,IARC,NIOSH,NTP,OSHA.
Effects of Overexp
posure:SKIN/EYE/GASTROINTESTINAL
IRRITATION.RESPIRATORY TRACT IRRIT.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.
TARGET ORGANS:NONE.

==== First Aid Measures =====

First Aid:EYE:FLUSH W/PLENTY OF H2O FOR @15MINS,LIFT EYELIDS.GET MED
AID IMMED.SKIN:FLUSH W/PLENTY OF SOAP/H2O FOR @LEAST 15MINS.REMOVE
CONTAM CLOTH/SHOES.IRRIT DEVELOPS/PERSIST GET MED
ATTN.INGEST:CONSC/ALERT GIVE 2-4CUPFULS OF MILK/H2O.GET MED
AID
D.INDUCE VOMIT BY GIVING 1 TEASPOON OF SYRUP OF
IPECACE.INHAL:REMOVE TO FRESH AIR IMMED.NOT BREATH GIVE ART
RESP;DIFF BREATH GIVE OXY.COUGH/OTHER SYMP GET (SUPPL)

==== Fire Fighting Measures =====

Flash Point:NOT AVAILABLE
Autoignition Temp:Autoignition Temp Text:N/AVAI
Lower Limits:N/AVAI
Upper Limits:N/AVAI
Extinguishing Media:SUBSTANCE IS NON-FLAMM;USE AGENT MOST APPROPRIATE
TO EXTINGUISH SURROUNDING FIRE.
Fire Fighting Procedures:WEAR APPROPRI
ATE PROTECTIVE CLOTHING TO
PREVENT CONTACT W/SKIN/EYES.WEAR SELF-CONTAINED BREATHING APPARATUS
(SCBA) TO PREVENT CONTACT W/THERM DECOMPO PRODUCTS.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

==== Accidental Release Measures =====

Spill Release Procedures:USE PPE AS INDICATED IN MSDS.VACUUM OR SWEEP
UP MATL &PLACE INTO SUITABLE DISPOSAL CNTNR.AVOID GENERATING DUSTY
CONDITIONS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage
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Handling and Storage Precautions:AVOID CONTACT
W/EYE/SKIN/CLOTHING.STORE IN TIGHTLY CLSD CNTNR.KEEP FROM COTNACT
W/OXIDIZING MATLS.
Other Precautions:KEEP AWAY FROM REDUCING AGENTS.KEEP CNTNRS TIGHTLY
CLSD. DISPO:2ND WASTE TREAT MICROORGANISMS.CHEM NOT LIKELY TO
BIOCONCEN.NO CERCLA/SARA CHEMS PRESENT.

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Exposure Controls/Personal Protection
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Respiratory Protection:FOLLOW OSHA RESPIRATOR
REGS FOUND IN
29CFR1910.134.ALWAYS USE NIOSH-APPROVED RESPIRATOR WHEN NECESSARY.
Ventilation:USE ADEQUATE VENTI TO KEEP AIRBORNE CONCEN LOW.
Protective Gloves:PROTECTIVE GLOVES
Eye Protection:PROT EYEGLOSS,CHEM SAF GOG-29CFR1910.133
Other Protective Equipment:WEAR APPROPRIATE PROT CLOTH TO PREVENT SKIN
EXPO.
Work Hygienic Practices:WASH THOROUGHLY AFT HNDLG.
Supplemental Safety and Health
PH:5.2-9.5 5% SOLN. 1STAID:MED AID.DR:TREAT SYMPT/SUPPORTIVELY.

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Physical/Chemical Properties
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HCC:N1
Boiling Pt:B.P. Text:N/AVAI
Melt/Freeze Pt:M.P/F.P Text:1630F,888C
Decomp Temp:Decomp Text:N/AVAI
Vapor Pres:N/AVAI
Vapor Density:N/AVAI
Spec Gravity:2.7
pH:SUPPLE
Viscosity:N/AVAI
Evaporation Rate & Reference:N/AVAI
Solubility in Water:SLIGHT IN WATER
Appearance and Odor:SOLID,WHITE GRANULAR OR POWDER, ODORLESS.
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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Stability and Reactivity Data
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Stability Indicator/

Materials to Avoid: YES
STRONG OXIDIZERS, MAGNESIUM. REACTS EXPLOSIVELY W/ALUMINUM.
Stability Condition to Avoid: MOISTURE.
Hazardous Decomposition Products: OXIDES OF SULFUR.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE IN MANNER CONSISTENT W/FED/STATE/LOCAL
REGS. NOT LISTED AS MATERIAL BANNED FROM LAND DISPOSAL ACCORDING TO
RCRA. CHEMISTRY NOT EXPECTED TO CAUSE OXYGEN DEPLETION IN AQUATIC SYSTEMS. LOW
POTENTIAL TO AFFECT AQUATIC ORGANISMS/EXPECTED TO HAVE LOW
POTENTIAL TO AFFECT
(OTHER PRECAUTIONS)

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