

GENERAL CHEMICAL CORPORATION -- SODIUM THIOSULFATE, ANHYDROUS, CRYSTAL AND SO --
6810-00-233-0110

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

Product ID: SODIUM THIOSULFATE, ANHYDROUS, CRYSTAL AND SO

MSDS Date: 01/01/1991

FSC: 6810

NIIN: 00-233-0110

MSDS Number: BQXRX

=== Responsible Party ===

Company Name: GENERAL CHEMICAL CORPORATION

Address: 90 E HALSEY RD

Box: 395

City: PARSIPPANY

State: NJ

ZIP: 07054

Country: US

In

fo Phone Num: 201-515-1840

Emergency Phone Num: 800-831-8050

Preparer's Name: MANAGER, PRODUCT SAFETY

CAGE: 0AU44

=== Contractor Identification ===

Company Name: GENERAL CHEMICAL CORPORATION

Address: 90 EAST HALSEY ROAD

Box: City: PARSIPPANY

State: NJ

ZIP: 07054

Country: US

Phone: 973-515-1840

CAGE: 0AU44

Company Name: SHAPE PRODUCTS

Address: 1127 57TH AVE.

Box: City: OAKLAND

State: CA

ZIP: 94621-4427

Country: US

Phone: 510-534-1186 OR 800-444-0015

CAGE: 3D869

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

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Ingred Name:SODIUM THIOSULFATE PENTAHYDRATE
CAS:10102-17-7
RTECS #:WE6660000
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM THIOSULFATE
CAS:7772-98-7
RTECS #:XN6476000
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:TLV=5 MG/M3;STEL=10 MG/M3 FOR SO2
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION:BREATHING PRODUCT DUST OR MIST MAY IRRITATE RESPIRATORY TRACT. INGESTION:LOW TOXICITY BUT MAY CAUSE IRRITATION TO THE GASTROINTESTINAL TRACT AND PURGING. SKIN:IRRITATION FROM PROLONGED CONT ACT. EYES:MAY IRRITATE OR BURN AND CAUSE TEMPORARY CONJUNCTIVITIS.
Effects of Overexposure:EYES/SKIN/INHAL/INGEST:IRRITATION.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. IF SHORT OF BREATH, GIVE OXYGEN. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION. INGESTION: IF CONSCIOUS, GIVE 2 TO 4 GLASSES OF WATER AND INDUCE VOMITING. EYES:FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. SKIN:WASH WITH SOAP AND WATER UNTIL ALL OF THE CHEMICAL IS REMOVED. REMOVE CONTAMINATED CLOTHING. SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST.

===== Fir

e Fighting Measures =====

Flash Point:NON-COMBUSTIBLE

Extinguishing Media:IF INVOLVED IN A FIRE, CHOSE EXTINGUISHING AGENT MOST SUITABLE FOR TYPE OF SURROUNDING FIRE.

Fire Fighting Procedures:NIOSH APPROVED BREATHING APPARATUS SHOULD BE USED BY FIRE-FIGHTERS. SKIN AND EYE PROTECTION SHOULD ALSO BE USED. USE WATER SPRAY TO COOL NEARBY CONTAINERS.

Unusual Fire/Explosion Hazard:IF INVOLVED IN A FIRE, TOXIC AND IRRITATION GASES AND RESIDUE MAY EVOLVE.

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

Spill Release Procedures:PROMPTLY SHOVEL OR SWEEP UP THE DRY CHEMICAL INTO AN EMPTY CONTAINER WITH A MINIMUM OF DUSTING. COVER AND STORE. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER TO COMPLETE CLEAN-UP.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY AREA, AWAY FROM ACIDS AND OXIDIZERS. KEEP CONTAINER CLOSED WHEN NOT IN USE AND PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE A NIOSH APPROVED DUST RESPIRATOR. IF SULFUR DIOXIDE SHOULD BE RELEASED, USE A SUPPLIED-AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:PROVIDE LOCAL EXHAUST IF DUSTY CONDITIONS PREVAIL, AND IF THERE SHOULD BE A RELEASE OF SULFUR DIOXIDE GAS.

Protective Gloves:COTTON GLOVES ARE GENERALLY ADEQUATE.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:FOR ROUTINE PRODUCT-HANDLING OR USE, WEAR FULL WORK CLOTHING INCLUDING LONG-SLEEVED SHIRT AND TROUSERS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING THIS MATERIAL.

Supplemental Safety and Health

PROVIDE EYE-WASH FACILITIES CONVENIENT TO AREAS OF USE OR HANDLING. CONTACT WITH ACIDS RELEASES SULFUR DIOXIDE GAS. WHEN DISSOLVING THIS MATERIAL, ADD TO WATER CAUTIOUSLY AND WITH STIRRING AS

SOLUTIONS CAN GET HOT AND MAY SPLATTER.

===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:118F,48C

Decomp Temp:Decomp Text:212F,100C

Spec Gravity:1.667-1.685

pH:7.5

Solubility in Water:APPRECIABLE

Appearance and Odor:ANH:XLS;WHITE;NO ODOR.HYD:XLS;CLEAR TO WHITE;NO
ODOR.SOLN:LIQUID;CLEAR;NO ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:Y

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STRONG OXIDIZERS, ACIDS AND WATER REACTIVE MATERIALS.

Stability Condition to Avoid:HIGH TEMPERATURES (ABOVE 100C).

Hazardous Decomposition Products:SULFUR DIOXIDE GAS AND SODIUM SULFIDE
RESIDUE.

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

Waste Disposal Methods:CONTACT APPROPRIATE REGULATORY AUTHORITIES FOR
APPROVED METHODS OF DISPOSAL.

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