

GENERAL CHEMICAL CORPORATION -- SODIUM THIOSULFATE -- 6810-00-233-0110

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Product Identification  
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Product ID:SODIUM THIOSULFATE

MSDS Date:10/01/1988

FSC:6810

NIIN:00-233-0110

MSDS Number: BJPRM

=== Responsible Party ===

Company Name:GENERAL CHEMICAL CORPORATION

Address:90 E HALSEY RD

Box:395

City:PARSIPPANY

State:NJ

ZIP:07054

Country:US

Info Phone Num:201-515-1840

Emergency Phone Num:800-

831-8050

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

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Composition/Information on Ingredients  
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Ingred Name:SODIUM THIOSULFATE, PENTAHYDRATE

CAS:10102-17-7

RTECS #:WE6660000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhala

tion: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 CINJUNCTIVITIS.  
Effects of Overexposure:SEE HEALTH HAZARDS  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY  
MANUFACTURER.

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First Aid Measures  
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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  
PERSI  
ST.

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Fire Fighting Measures  
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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 AFIRE, TOXIC AND  
IRRITATION GASES AND RESI  
DUE MAY EVOLVE.

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Accidental Release Measures  
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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.

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

SE AND

PROTECT FROM PHYSICAL DAMAGE.

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

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===== 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.

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

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

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

Decomp Temp:Decomp Text:212F,100C

Spec Gravity:1.685

pH:@ 9

Solubility in Water:42% @ 0C

Appearance and Odor:CLEAR TO WHITE CRYSTALS OR GRANULES WITH NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG O

XIDIZERS, 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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