

SAFETY DATA SHEET

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: SODIUM HYDROSULFITE 70%
Control Number: 00228
Product Description: Sodium Sulfite

COMPANY IDENTIFICATION

Supplier: Chemical Distribution Solutions
1125 Oak St. Ste. 303
Conway, AR 72032

24 Hour Emergency Telephone: (800) 424-9300 CHEMTREC
General Information: (501) 978-1111

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Acute toxicity, Inhalation Category 4
Acute toxicity, Oral Category 4

[Environmental]

Acute Aquatic Toxicity Category 2
Chronic aquatic toxicity Category 2

[Physical]

Self-heating substances
and mixtures Category 1

GHS Label elements, including precautionary statements

Pictograms



Signal Word: Danger

Hazard statement(s)

H251 Self-heating: may catch fire.
H302 Harmful if swallowed.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P235 + P410 Keep cool. Protect from sunlight.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P330 Rinse mouth.
P391 Collect spillage.
P407 Maintain air gap between stacks/ pallets.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Sodium dithionite	7775-14-6	70

SECTION 4 - FIRST AID MEASURES

FIRST AID PROCEDURES:

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.

Skin Contact: Remove contaminated clothing. Wash with soap and water. Cover the irritated skin with an emollient. Seek medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing media: Flammable solid. Spontaneously combustible material. Do not use water or foam.

SMALL FIRE: Use DRY chemical powder. **LARGE FIRE:** Use DRY chemical powder. Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Hazardous combustion products: Oxides of sodium and sulphur.

Fire Fighting Procedures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Unusual Fire and Explosion Hazards: Burns slowly, about like sulfur. Heats spontaneously in contact with moisture and air. May ignite nearby combustible materials. Vigorously supports combustion. Sodium Dithionite + Sodium Chlorite causes ignition of the latter. Reacts on exposure to moist air to form toxic and corrosive fumes with the generation of heat and risk of combustion.

SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Spills: Provide adequate ventilation. Evacuate all non-essential personnel from the spill area. Suitable protective clothing should be worn. Shut off or plug source of spill.

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet brushing and place in container for disposal according to regulations. Do not flush with water. Keep in suitable, closed containers for disposal.

SECTION 7 - STORAGE AND HANDLING

Handling: Do not get in eyes, on skin or on clothing. Do not breathe vapors, mists or dusts. Keep container closed and tightly sealed when not in use. Avoid contact with skin and eyes. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage: Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids. Keep in a dry place.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: Sodium Hyrosulfite Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

Clothing: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: no data available

Autoignition Temperature: 302 °F

Boiling Point: no data available

Melting Point/Freezing Point: 111-118 °F

Vapor Pressure: no data available

Vapor Density (Air-1): no data available

Odor/Appearance: Grayish white powder slight sulphur-like odor.

Flammability Limits: no data available

Relative Density: 1.55

Volatile %: no data available

Evaporation Rate (Water=1): no data available

pH: 11.2 (1% Sol'n)

Solubility in Water: no data available

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: Do not allow water to enter container because of violent reaction. Avoid moisture. Heat

Incompatible Materials: Strong oxidizing agents, acids, water.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION**Signs and Symptoms of Overexposure:**

Skin: Causes skin irritation. Contact dermatitis may develop in sensitive individuals.

Eyes: Causes eye irritation and possible eye damage.

Inhalation: Excessive inhalation of high concentrations may be harmful. Product can irritate the respiratory tract (nose, throat, lungs) and cause wheezing, and/or shortness of breath.

Ingestion: May be harmful if ingested. It can cause gastrointestinal tract irritation with nausea, abdominal pain, vomiting, and diarrhea.

Acute oral toxicity:

LD50 rat: no data available

Acute inhalation toxicity:

LD50 rat: no data available

Acute dermal toxicity:

LD50 rabbit: no data available

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SECTION 12 · ECOLOGICAL INFORMATION

Aquatic Toxicity: Toxicity to fish LC50 - *Leuciscus idus* (Golden orfe) - 10 - 100 mg/l - 96 h

Bio-accumulative potential: no data available

Mobility: no data available

SECTION 13 · DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 · TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Sodium dithionite
Hazard Class 4.2
UN Number: 1384
Packaging Group: 2

SECTION 15 · REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Reactivity Hazard, Acute Health Hazard

SARA Section 313 (40 CFR 372) Hazard Categories:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Water Act: None of the chemicals in this product are listed as Hazardous Substances under the CWA

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CCA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 · OTHER INFORMATION

MSDS Revision Date: December 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 1

Reactivity: 2

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.