

SODIUM SULPHITE CATALYZED

SECTION 1. IDENTIFICATION

Product Identifier	SODIUM SULPHITE CATALYZED
Product Family	Oxygen Scavenger
Recommended Use	Drilling Fluid Additive.
Supplier Identifier	Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No.	ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 1; Serious eye damage - Category 1; Respiratory sensitization - Category 1A

Label Elements



Signal Word:

DANGER!

May irritate gastrointestinal tract. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and even death.

Eye irritation and/or redness; solution will irritate or burn

May cause severe allergic reactions in some asthmatics and sulphite-sensitive individuals.

Precautionary Statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear eye protection/face protection.

In case of inadequate ventilation wear respiratory protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTRE or doctor.

If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers

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Sodium sulfite	7757-83-7	96	
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SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If not breathing, give artificial respiration. Seek medical attention.

Skin Contact

Wash with soap and water. If adverse symptoms develop, seek medical attention.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. If eye irritation develops or persists, seek medical attention.

Ingestion

If patient is conscious, give 2-4 glasses of water to drink. Never give anything by mouth to an unconscious or convulsing victim. Induce vomiting and seek medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use water spray to keep containers cool and to knock down flames.

Specific Hazards Arising from the Product

Does not burn or support combustion.

Strong oxidizers cause vigorous exothermic reactions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Use appropriate personal protective equipment. Small spill: sweep up and put into approved DOT containers for disposal or re-use. Large spill: DO NOT allow to enter waterways; sweep or shovel into approved DOT containers for disposal or re-use.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid ingestion. Avoid skin and eye contact. Practice reasonable caution and personal cleanliness.

Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

None established for sodium sulphite.

(sodium dioxide)

TWAEV= Time-Weighted Average Exposure Value 2 ppm

STEV = Short-term Exposure Value 5 ppm.

Appropriate Engineering Controls

Provide mechanical ventilation to prevent dust concentrations and to reduce potential exposure.

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Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Chemical-resistant clothing is recommended including gloves and apron.

Respiratory Protection

Respiratory protection is not normally required. If use creates dust formations, then a NIOSH-approved respirator with dust cartridge is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White crystals. Particle Size: Not available
Odour	Odourless
Odour Threshold	Not available
pH	9.8 (1% solution)
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not applicable
Evaporation Rate	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	2.63
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Decomposition Temperature	900 °C
Viscosity	Not available (kinematic)
Other Information	
Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Surface Tension	Not applicable
Critical Temperature	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Incompatible Materials

Strong oxidizers cause vigorous exothermic reactions.

Hazardous Decomposition Products

Sulphur dioxide gas is toxic and corrosive. Sodium sulphide residue is flammable, dangerous fire risk, strong irritant to skin and tissue, incompatible with acids.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Ingestion; eye contact; skin contact; inhalation.

Skin Corrosion/Irritation

Prolonged exposure to dust or solution may cause irritation.

Serious Eye Damage/Irritation

May cause slight irritation and/or redness. Solutions will irritate and burn (pH of 1% solution = 9.8).

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause some respiratory irritation.

Ingestion

May irritate gastrointestinal tract. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression and even death.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Sodium sulphite has been demonstrated to have mutagenic effects in humans and mammals.

Respiratory and/or Skin Sensitization

May cause severe allergic reactions in some asthmatics and sulphite-sensitive individuals.

Germ Cell Mutagenicity

Has been demonstrated to be mutagenic in microbial and multi-cell organisms.

No information was located for: Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

No ecotoxicity or environmental fate data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification



Class D2A

D2A - Very Toxic

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation March 24, 2016

Disclaimer This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.