

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER:	Sodium Sulfite - Catalyzed
OTHER MEANS OF IDENTIFICATION:	None
RECOMMENDED USE:	Oilwell drilling fluid additive
RESTRICTIONS ON USE:	None known
SUPPLIER IDENTIFIER:	Di-Corp 8750-53 Ave Edmonton, AB T6E 5G2 780-440-4923
EMERGENCY PHONE NUMBER:	780-468-4064 (24 hr)

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION:	Acute toxicity, oral – Category 4 Serious eye damage – Category 1
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LABEL SYMBOLS:



SIGNAL WORD:

DANGER

CLASSIFICATION INFORMATION:

Harmful if swallowed.
Causes serious eye damage.

PREVENTION

Wear protective gloves / protective clothing / eye protection / face protection.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.

PRECAUTIONARY STATEMENTS:

RESPONSE

IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

DISPOSAL

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

OTHER HAZARDS:

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
Sodium sulfite	7757-83-7	95-99% (w/w)
Sodium metabisulfite	7681-57-4	5% (w/w)

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	Quickly and gently brush away excess chemical. Thoroughly flush with running water while removing contaminated clothing. If irritation develops and persists, obtain medical attention.
EYE CONTACT:	Immediately flush with gently flowing warm water for minimum 15 minutes. Hold eyelids open to ensure thorough flushing. Obtain medical attention when flushing is complete and no further irritation is felt.

INGESTION:	Do not induce vomiting. Rinse mouth with water. Give 1 to 2 glasses of water. Obtain medical attention. Never give anything by mouth if patient is unconscious, rapidly losing consciousness or convulsing.
INHALATION:	Move to area free from dust. If victim is not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If breathing difficulties continue obtain medical attention.
MOST IMPORTANT SYMPTOMS / EFFECTS:	May cause severe eye irritation. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals.
IMMEDIATE MEDICAL ATTENTION / SPECIAL TREATMENT:	Immediate flushing of eyes is critical to prevent possible damage. If ingested, get immediate medical advice or attention. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use media appropriate for packaging and surrounding materials.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC FIRE HAZARDS:	None known.
HAZARDOUS COMBUSTION PRODUCTS:	Sulfur dioxide, sodium oxide.
SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS:	Self-contained breathing apparatus required for fire-fighting personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use appropriate safety equipment. Evacuate nonessential personnel.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Collect dry material by shoveling. Collect uncontaminated material for repackaging. Collect contaminated material in an approved container for disposal. Flush spill area thoroughly with water.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Wear personal protective equipment. Wash thoroughly after handling. Avoid contact with skin and eyes. Avoid ingestion. Wash clothing before reuse.

CONDITIONS FOR SAFE STORAGE & INCOMPATIBILITIES

Store in cool, dry area away from incompatibles. Keep container tightly closed and properly labelled. Avoid creating dust clouds when handling. Empty packages contain residual hazardous material and should be handled as if full.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	Sodium sulfite: Not established. Sodium metabisulfite: ACGIH TLV = 5 mg/m ³ .
ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below limits.
RESPIRATORY PROTECTION:	PERSONAL PROTECTIVE MEASURES Approved dust masks required for dust levels below TLV. Use a properly fitted particulate filter respirator complying with an approved standard if airborne concentrations exceeds TLV or if a risk assessment indicates this is necessary.
PROTECTIVE GLOVES:	Rubber gauntlets recommended.
EYE PROTECTION:	Wear tight fitting chemical goggles. Do not wear contact lenses.

OTHER PROTECTIVE EQUIPMENT (SPECIFY): Protective clothing as required to prevent contact. Ensure eye-wash station and emergency shower are available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light yellow powder
 ODOUR: Characteristic
 ODOUR THRESHOLD: Not available
 pH: 7.6 – 8.2 (5% solution)
 MELTING POINT / FREEZING POINT: >120°C
 BOILING POINT / RANGE: Not available
 FLASH POINT: Not applicable
 EVAPORATION RATE: Not applicable
 FLAMMABILITY: Incombustible
 FLAMMABILITY / EXPLOSIVE LIMITS: Not applicable
 VAPOUR PRESSURE: Not applicable
 VAPOUR DENSITY: Not available
 RELATIVE DENSITY: 1.2
 SOLUBILITY: Soluble in water (470 g/L)
 PARTITION COEFFICIENT: Not available
 AUTO-IGNITION TEMPERATURE: Not available
 DECOMPOSITION TEMPERATURE: ≥150°C
 VISCOSITY: Not applicable

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not reactive.
 CHEMICAL STABILITY: Stable.
 POSSIBILITY OF HAZARDOUS REACTIONS: Reacts with humid air. Reacts with acids releasing sulfur dioxide.
 CONDITIONS TO AVOID: Avoid contact with strong acids.
 INCOMPATIBLE MATERIALS: Acids, nitrites, nitrates and oxidizing agents.
 HAZARDOUS DECOMPOSITION PRODUCTS: Sulfur dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY: See component toxicity below.

COMPONENT	LD50 Oral	LC50 Dermal	LC50 Inhalation
Sodium sulfite	1540 mg/kg (rat)	Not available	>5.5 mg/L/4hr
Sodium metabisulfite	1131 mg/kg (rat)	Not available	Not available

SKIN CONTACT: Repeated or prolonged contact may cause irritation.
 EYE CONTACT: Strong irritant with danger of severe eye injury.
 INGESTION: Ingestion of large amounts may cause stomach pain and vomiting.
 INHALATION: Dusts and mists from solutions may cause temporary irritation of the nose and throat. Sulfite sensitive individuals may experience a severe allergic reaction. Contact with heat, water, acids or oxidizers releases sulfur dioxide gas which may be harmful or deadly when inhaled.
 CARCINOGENICITY: Not considered to be carcinogenic (NTP, IARC, or OSHA).

TERATOGENICITY:	No information available.
REPRODUCTIVE TOXICITY:	No information available.
MUTAGENICITY:	No information available.
CHRONIC TOXICITY:	No information available.
TARGET ORGAN EFFECTS:	No information available.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	EC50 (<i>pseudomonas putida</i>) = 410 mg/L/17hr EC50 (<i>daphnia magna</i>) = 89 mg/L/48hr EC50 (<i>desmodesmus subspicatus</i>) = 43.8 mg/L/72hr LC50 (<i>leuciscus idus</i>) = 316 mg/L/96hr
PERSISTENCE AND DEGRADABILITY:	Not applicable to inorganic materials.
BIOACCUMULATIVE POTENTIAL:	Accumulation in organisms is not expected.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local regulations. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Empty containers, which have not been cleaned and purged, contain residual hazardous material and must be recycled, or disposed of, in accordance with local regulations.

SECTION 14: TRANSPORTATION INFORMATION

TDG	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
UN NUMBER:	Not applicable
PROPER SHIPPING NAME:	Not applicable
CLASS:	Not applicable
PACKING GROUP:	Not applicable
IMDG HAZARDS:	Not applicable
BULK TRANSPORT:	Not applicable
SPECIAL PRECAUTIONS:	None

SECTION 15: REGULATORY INFORMATION

DSL:	Listed
WHMIS CLASS:	D2A, D2B
TSCA:	Listed

SECTION 16: OTHER INFORMATION

REVISION DATE:	April 27, 2017
REPLACES	None

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