

Sodium Metabisulfite FCC/Photo

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Date of issue: 03/20/2018

Revision date: 03/20/2018

SECTION 1 : Identification

1.1. Product identifier

Product form : Mixture
Substance name : Sodium Metabisulfite FCC/ Photo
Chemical name : Sodium Metabisulfite
Product code : 9086
Formula : Na₂S₂O₅

1.2. Recommended use and restrictions on use

Antioxidant, bleaching, disinfectant.

1.3. Supplier

Amplex Chemical Products Ltd.
600 Avenue Delmar
H9R 4A8 Pointe Claire - Canada
T 514-630-3309 - F 514-630-5951
info@amplexchem.com - <http://www.amplexchem.com/>

1.4. Emergency telephone number

Emergency number : Terrapure Environmental : 1-800-567-7455 (24/24)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Acute toxicity (oral), Category 4 H302
Serious eye damage/eye irritation, Category 1 H318
Hazardous to the aquatic environment — Acute Hazard, Category 3 H402
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS-CA) :



GHS05

GHS07

Signal word (GHS-CA) : Danger
Hazard statements (GHS-CA) : H302 - Harmful if swallowed
H318 - Causes serious eye damage
H402 - Harmful to aquatic life
Precautionary statements (GHS-CA) : P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P273 - Avoid release to the environment
P280 - Wear gloves/protective clothing/eye protection/face protection
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor
P330 - Rinse mouth
P501 - Dispose of contents / container to a hazardous or special waste collection point in accordance with municipal, provincial and federal regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

No data available



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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name/Synonyms	Product identifier	%wt/wt	Classification (GHS-CA)
Sodium Metabisulfite (Main constituent)	Sodium bisulfite	(CAS No) 7681-57-4	75-100	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 3, H402

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : Wash with water and soap. Take victim to a doctor if irritation persists. Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist. Do not apply neutralizing agents. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Call Poison Information Centre. Rinse mouth. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after eye contact : Corrosion of the eye tissue. Lacrimation. Conjunctivitis. Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires. Water spray. Dry powder. Foam.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

No additional information available

5.4. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin. Wear eye protection and, in case of insufficient ventilation, appropriate respiratory equipment.

6.2. Methods and materials for containment and cleaning up

- Methods for cleaning up : Mechanically recover the product. Stop dust cloud by covering with sand/earth. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
- Other information : Pick up the garbage and put in an airtight container. For large quantities, consult the Ministry of the Environment.

6.3. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in an airtight container in a cool, dry place. Keep away from oxidizing materials and acids.
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.
- Storage area : Store in a dry area. Keep container in a well-ventilated place. Store at ambient temperature. Meet the legal requirements.
- Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. water/moisture.
- Special rules on packaging : SPECIAL REQUIREMENTS: hermetical. watertight. dry. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium Metabisulfite FCC/Photo (7681-57-4)

USA - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
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8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.

8.3. Individual protection measures/Personal protective equipment

- Hand protection : Gloves.
- Eye protection : Safety glasses. In case of dust production: protective goggles. Safety glasses.
- Skin and body protection : Protective clothing.
- Respiratory protection : Dust production: dust mask with filter type P2.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Powdery or crystalline solid
- Molecular mass : 190.11 g/mol
- Colour : White or yellowish
- Odour : Sulfur dioxide odor
- Odour threshold : No data available
- pH : 4.0-4.8 (5 % solution)
- pH solution : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Relative evaporation rate (ether=1) : No data available
- Melting point : 150 °C
- Freezing point : Not applicable
- Boiling point : Not applicable
- Flash point : Not applicable
- Auto-ignition temperature : Not applicable
- Decomposition temperature : > 150 °C
- Flammability (solid, gas) : Non flammable.
- Vapour pressure : No data available
- Vapour pressure at 50 °C : No data available
- Relative vapour density at 20 °C : Not applicable
- Relative density : 2.36 g/cm³



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Relative density of saturated gas/air mixture	: No data available
Density	: 2.36 g/cm ³
Relative gas density	: No data available
Solubility	: Water: 54 g/100ml
Log Pow	: -3.7
Log Kow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

9.2. Other information

VOC content	: 0 %
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: This product is unstable under the following conditions: When it is in the presence of moist air or in the presence of traces of water, it decomposes. It emits sulfur dioxide and oxidizes to sodium sulphate.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Avoid humidity.
Incompatible materials	: This product is incompatible with these substances: Strong acids. With oxidizing agents there is a risk of fire and / or explosion. Nitrites, nitrates, sulphides.
Hazardous decomposition products	: Thermal decomposition (at 150 degrees Celsius): oxides of sulfur, sodium oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Oral: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

ATE CA (oral)	500 mg/kg bodyweight
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Skin corrosion/irritation	: Not classified pH: 4- 4.8 (5 % solution)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 4-4.8 (5 % solution)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information



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12.1. Toxicity

Ecology - general : Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

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LC50 fish 1	150 - 220 mg/l (96 h, Salmo gairdneri, Fresh water)
EC50 Daphnia 1	89 mg/l (24 h, Daphnia magna)

12.2. Persistence and degradability

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Chemical oxygen demand (COD)	0.154 g O ₂ /g substance
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12.3. Bioaccumulative potential

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Log Pow	-3.7
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12.4. Mobility in soil

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Log Pow	-3.7
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

TDG

Not regulated for transport

DOT

Not regulated for transport

14.3. Air and sea transport

IMDG

No additional information available

IATA

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

Sodium Metabisulfite FCC/Photo (7681-57-4)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Sodium Metabisulfite FCC/Photo (7681-57-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

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Full text of H-statements:

H302	Harmful if swallowed
H318	Causes serious eye damage
H402	Harmful to aquatic life



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SDS CA Amplex

IMPORTANT: The information presented herein is believed to be accurate and is offered only as a guide. Users should make their own tests to determine the suitability of these products for their own particular purposes. Users assume all risk of use, storage and handling of the product. No warranty, express or implied, is made including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe any patents