

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 1 of 6

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Aqua Science, Inc.
1877 East 17th Avenue
Columbus, Ohio 43219

Emergency: CHEMTREC: 1-800-424-9300
Phone: 614-252-5000
Fax: 614-257-0008
Email: AquaInfo@aquascience.com
Web: aquascience.com

Product Identifier: DECHLOR
Synonyms: Sodium pyrosulfites
Common Name: Sodium Metabisulfite Solution
SDS Number: DECHLOR
Revision Date: 10/3/2018
Version: 1
Chemical Family: Bisulfites
Product Use: Water Treatment

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Environmental, Hazards to the aquatic environment - Acute, 3
Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 5 Dermal

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H402 - Harmful to aquatic life
H302 - Harmful if swallowed
H313 - May be harmful in contact with skin

GHS Precautionary Statements:

P280 - Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 - Dispose of contents/container to the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 2 of 6

HMIS III: Health = 2(Chronic), Fire = 0, Physical Hazard = 0

HMIS PPE: C - Safety Glasses, Gloves, Apron

HMIS	
HEALTH	<input checked="" type="checkbox"/> 2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

3	COMPOSITION/INFORMATION OF INGREDIENTS
----------	---

Ingredients:

Cas#	%	Chemical Name
7681-57-4	>30%	Sodium metabisulfite

The exact percentage by weight of the ingredients in this formula is proprietary.

4	FIRST AID MEASURES
----------	---------------------------

- Inhalation:** If symptoms develop as a result of inhalation, immediately move affected person away from exposure and into fresh air. Seek medical attention immediately. Keep person warm and quiet. If affected person is not breathing - begin artificial respiration. If person finds breathing difficult - administer oxygen.
- Skin Contact:** In case of contact, flush affected area with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek medical attention. Launder clothing before reuse.
- Eye Contact:** In case of contact, flush eyes with copious amounts of water for at least 15 minutes while holding eyelids apart. Remove any contaminated clothing. Seek medical attention. Launder clothing before reuse.
- Ingestion:** If this product is swallowed, seek medical attention immediately. DO NOT induce vomiting as doing will so cause further damage to mouth and throat. If affected person is conscious and alert, immediately wash mouth with water and give water or milk to drink. If possible, do not leave affected person unattended.

5	FIRE FIGHTING MEASURES
----------	-------------------------------

- Flash Point:** None
- Burning Rate:** Not Applicable
- LEL:** N/A
- UEL:** N/A

In case of fire, use carbon dioxide or dry chemical to extinguish small fires. Use foam or water spray to extinguish large fires. When exposed to fire, this product may yield toxic material, toxic fumes, and sulfur dioxide. Sealed drums may become pressurized by this sulfur dioxide, with potential for bursting. Full protective equipment (bunker gear) and self-contained breathing apparatus (SCBA) should be used for all in door fires and any significant outdoor fires. If possible, firefighters should control run-off water to prevent environmental contamination.

Flammable Properties - Does not burn or support combustion.

6	ACCIDENTAL RELEASE MEASURES
----------	------------------------------------

In the event of a small spill, (liquid) absorb spilled product into inert material or (solid) sweep up into suitable container scoop into a container for proper disposal. Avoid run-off into storm sewers and ditches. Large spills need to be contained - do not discharge into drains;

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 3 of 6

report in accordance with applicable regulations; and pick up for proper disposal. Ventilate area. Avoid contact with eyes. Watch out for slippery conditions when spillage.

7	HANDLING AND STORAGE
----------	-----------------------------

Handling Precautions: Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Launder contaminated clothing. Wash clothing before reuse and decontaminate or discard contaminated shoes. Wash thoroughly after handling.

Storage Requirements: Store in cool/dry area and ensure there is adequate ventilation. Keep container sealed tightly when not in use. Do not allow product to freeze.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
----------	--

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas.
Safety shower and eye bath.

Personal Protective Equipment: Sodium metabisulfite cas#:(7681-57-4) [>30%]
Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Sodium metabisulfite cas#:(7681-57-4) [>30%]

Components with workplace control parameters

TWA 5 mg/m3 USA. ACGIH Threshold Limit Values (TLV)
Not classifiable as a human carcinogen

TWA 5 mg/m3 USA. ACGIH Threshold Limit Values (TLV)
Eye, skin, & Upper Respiratory Tract irritation Not classifiable as a human carcinogen

TWA 5 mg/m3 USA. NIOSH Recommended Exposure Limits

9	PHYSICAL AND CHEMICAL PROPERTIES
----------	---

Appearance:	Clear to light yellow liquid	Odor:	Pungent, sulfurous odor.
Physical State:	Liquid	Solubility:	Completely soluble in water.
Spec Grav./Density:	1.29 - 1.31 @ 20 ^C.		

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 4 of 6

Boiling Point: > 220 Degrees F
Flammability: N/A
Vapor Pressure: No Data
pH: 3.5-4.5 (typical)
Evap. Rate: <1.0 (water=1)

Percent Volatile: > 50%
Freezing/Melting Pt.: > 50 Degrees F
Flash Point: None
Vapor Density: No data
UFL/LFL: None/None

10

STABILITY AND REACTIVITY

Reactivity: No Data
Chemical Stability: Product is stable under normal conditions. Avoid contact between this product and materials which support combustion (oxidizers) and corrosive materials (strong acids and bases).
Conditions to Avoid: Oxidation promoting conditions (Heat and Sunlight).
Materials to Avoid: Avoid contact between this product and strong oxidizing materials; Strong Acids; Strong bases; reactive metals.
Hazardous Decomposition: Decomposition of this product may yield sulfur dioxide gas (which is toxic and corrosive), hydrogen sulfide, and hazardous sodium sulfide residue (which is extremely flammable, a strong irritant to skin tissue, and incompatible with acids).
Hazardous Polymerization: Will not occur.

11

TOXICOLOGICAL INFORMATION

Sodium metabisulfite cas#:(7681-57-4) [>30%]

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium hydrogensulphite)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium metabisulphite)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion Harmful if swallowed. Skin Harmful

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 5 of 6

if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, chest pain

Synergistic effects: no data available

Additional Information:

RTECS: Not available

12

ECOLOGICAL INFORMATION

Sodium metabisulfite cas#:(7681-57-4) [>30%]

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

13

DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sodium metabisulfite cas#:(7681-57-4) [>30%]

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging: Dispose of as unused product.

14

TRANSPORT INFORMATION

UN2693, Bisulfites, aqueous solutions, n.o.s., 8, PGIII

Add: "**RQ**" to Identification number, Proper shipping name, Hazard class, Packaging group for packages => 14,250 lbs.
Example: UN2693, Bisulfites, aqueous solutions, n.o.s., 8, PGIII, (Contains - Sodium Metabisulfite, RQ=5000).

DECHLOR

SDS Number: DECHLOR

Revision Date: 10/3/2018

Page 6 of 6

15

REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Sodium metabisulfite (7681-57-4) [>30%] MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

16

OTHER INFORMATION

Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Aqua Science, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use outside of such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of the seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon a breach of warranty or tort.

Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.