U.S. WATER

SAFETY DATA SHEET

DECHLOR 104

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: DECHLOR 104
Synonyms: 201C
Common Name: Mixture
SDS Number: 0533
Revision Date: 12/12/2014
Version: 1
Product Use: Water Treatment
Supplier Details: U.S. Water Services
12270 43rd St. NE
St. Michael, MN 55376

Contact: Non-emergency #: 866-663-7632
Email: SDS@uswaterservices.com
Web: www.uswaterservices.com

EMERGENCY RESPONSE: (ChemTel)
US & Canada: 800-255-3924
International: +01-813-248-0585

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Health, Skin corrosion/irritation, 2
Health, Acute toxicity, 4 Oral
Health, Serious Eye Damage/Eye Irritation, 1

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H315 - Causes skin irritation
H302 - Harmful if swallowed
H318 - Causes serious eye damage

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) or not covered by GHS

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
7631-90-5	35-40	Sodium bisulfite

4 FIRST AID MEASURES

Inhalation: Remove from contamination. If person has stopped breathing administer artificial respiration. Seek medical attention.

Skin Contact: Wash off with soap and plenty of water. Remove contaminated garments and wash or destory. Consult a physician if irritation develops.

Eye Contact: Flush eyes with plenty of running water for several minutes. Seek medical attention.

Ingestion: If conscious, give plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention

Most important symptoms & effects (acute & delayed)**:** No data available
Indication of need for immediate medical attention: No data available
Special treatment needs: No data available

5 FIRE FIGHTING MEASURES

Flammability: Not flammable
Flash Point: Not applicable
Flash Point Method: Pensky Martens Closed cup
Burning Rate: No data available
Autoignition Temp: No data available
LEL: Not applicable
UEL: Not applicable

Extinguishing Media:

Suitable: Use extinguishing media suitable for surrounding fire.

Unsuitable: No information available

Hazardous combustion products: Sulfur Dioxide will be released.

Unusual Fire or Explosion Hazards: Sulfur Dioxide gas will be released at a rate increasing with temperature.

Special protective equipment/precautions: Wear self-contained breathing apparatus

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, emergency procedures: Avoid contact with the material. See section 8 of SDS for PPE recommendations
Environmental Precautions: Keep runoff from entering drains or waterways
Spill/Leak procedures: Corrosive. Evacuation unprotected personnel from area. Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal. Flush remaining area with water and neutralize with dilute Sodium Hypochlorite solution and dispose of properly.
Regulatory Requirements: Dispose of recovered material in accordance with all applicable state and federal regulations.

7 HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

Storage Requirements: Store in closed containers away from temperature extremes and incompatible materials such as strong acids or oxidizers. Store in properly labeled containers in accordance with all local, state and federal guidelines.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide local exhaust ventilation as needed to control misting.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron

Respiratory protection: May be required if exposure levels are exceeded. Seek professional advice prior to respirator selection and use. Not required under normal use conditions. If needed use MSHA/NIOSH approved respirator for dusts and mists. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)
Safety Stations: Make sure eye wash and safety/quick-drench showers are available in work area.
General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.
PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

Exposure Limits:
NIOSH (REL): TWA (Sodium Bisulfite) 5 mg/m^3

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, yellow-green		
Physical State:	Liquid	**Odor:**	Sulfur Dioxide
Odor Threshold:	No data available	**Solubility:**	Complete
Spec Grav./Density:	11.09 Lb/Gal	**Freezing/Melting Pt.:**	40°F
Viscosity:	No data available	**Flash Point:**	Non-Flammable
Boiling Point:	No data available	**Vapor Density:**	No data available

Partition Coefficient: No data available
Vapor Pressure: No data available
pH: 3.7 - 5.3
Evap. Rate: No data available
Decomp Temp: No data available

Auto-Ignition Temp: No data available
UFL/LFL: No data available

10 STABILITY AND REACTIVITY

Stability: Product is stable under normal storage and use conditions.
Conditions to Avoid: Avoid temperature extremes. Avoid contact with heat, sparks, electric arcs, other hot surfaces, and open flames. Protect from freezing
Materials to Avoid: Strong oxidizing agents, strong acids.
Hazardous Decomposition: Sulfur dioxide gas. Sodium sulfide.
Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available
Skin Corrosion/Irritation: No data avaible
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
Specific target organ toxicity (single exposure): No data available
Specific target organ toxicity (repeated exposure): No data available
Aspiration hazard: No data available
Carcinogenicity: No carcinogenic effects are known for the components of this product
Germ Cell Mutagenicity: No mutagenic effects are known for the components of this product
Teratogenicity: No teratogenic effects are known for the components of this product

12 ECOLOGICAL INFORMATION

Aquatic Toxicity

Aquatic Toxicity Acute LC_{50} (24 Hr)
Ceriodaphnia (Water Flea): 955 mg/L; **Fathead Minnow:** >1000 mg/L; **Trout (Rainbow):** 266 mg/L
Acute LC_{50} (48 Hr)
Ceriodaphnia (Water Flea): 632 mg/L; **Fathead Minnow:** >1000 mg/L; **Trout (Rainbow):** 266 mg/L
Acute LC_{50} (72 Hr)
Fathead Minnow: >1000 mg/L; **Trout (Rainbow):** 266 mg/L
Acute LC_{50} (96 Hr)
Fathead Minnow: >1000 mg/L; **Trout (Rainbow):** 266 mg/L
Acute NOEC
Ceriodaphnia (Water Flea): 600 mg/L (48 Hr); **Fathead Minnow:** 600 mg/L (96 Hr); **Trout (Rainbow):** 188 mg/L (96 Hr)
Acute LOEC
Ceriodaphnia (Water Flea): 1000 mg/L (48 Hr); **Fatead Minnow:** 1000 mg/L (96 Hr); **Trout (Rainbow):** 375 mg/L (96 Hr)
Elimination (persistency & degradability): No data available

Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

14 TRANSPORT INFORMATION

UN2693, Bisulfites, aqueous solutions, n.o.s., 8, PGIII, (Sodium Bisulfite)

DOT Transportation data (49 CFR 172.101)

See section 15 of SDS for information on Reportable Quantity chemicals (RQ)

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(5000LBS), Sodium bisulfite (7631-90-5) [35-40] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

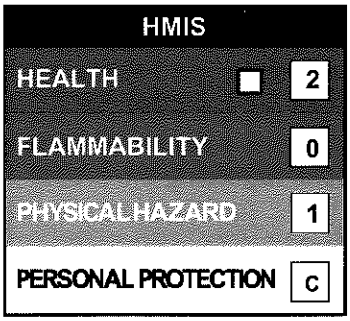
Regulatory CODE Descriptions

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = 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

EPA / CERCLA / SARA TITLE III:
Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.
Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.
SARA 312: No data available
California Proposition 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.
RCRA: No data available

16 OTHER INFORMATION

HMIS III: Health = 2, Fire = 0, Physical Hazard = 1
HMIS PPE: C - Safety Glasses, Gloves, Apron



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Revision Notes: Updated to GHS format

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