

# SAFETY DATA SHEET

## Section 1 - Product & Company Identification

Product Name: GWT 1825

EMERGENCY RESPONSE NUMBERS:



24 Hour Emergency #: (708) 349-9991  
INFOTRAC Emergency #: (800) 535-5053

Global Water Technology, Inc.  
354 West Armory Drive South Holland, IL 60473  
(708) 349-9991

Product Use: This product is manufactured for Commercial/Industrial use  
Not recommended for: Consumer use

## 2. HAZARD(S) IDENTIFICATION



**Signal Word:** Warning

**GHS Classification:** Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2B  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3

**Hazard Statements:** H315+H320: Causes skin and eye irritation  
H335: May cause respiratory irritation.

### Precautionary Statements:

**Prevention:** P260: Avoid breathing dust, gas, mist, vapors or spray.  
P264: Wash thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear gloves, eye and face protection and protective clothing.

**Response:** P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312: Call a POISON CENTER or doctor if you feel unwell.  
P321: Specific treatment (see First Aid on SDS or on this label).  
P333+P313: If skin irritation occurs: Get medical advice or attention.  
P337+P313: If eye irritation persists: Get medical advice or attention.  
P362: Take off contaminated clothing and wash before reuse.

**Storage:** P233+P403: Store in a well-ventilated place. Keep container tightly closed.

**Disposal:** P501: Dispose of in accordance with local, regional and international regulations.

**Hazards Not Otherwise Classified:** None known.

**Percentage of Components with Unknown Acute Toxicity:**

<b>Oral:</b>	22.0 %
<b>Dermal:</b>	22.0 %
<b>Inhalation Vapor:</b>	22.0 %
<b>Inhalation Dust/Mist:</b>	22.0 %

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>% by Wt.</u>
Potassium Sulfite	10117-38-1	22 %

**4. FIRST-AID MEASURES**

**Eye Contact:** If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

**Skin Contact:** If on skin: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water.

**Inhalation:** If inhaled: Remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation occurs.

**Ingestion:** If swallowed: If fully conscious, give two glasses of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into the lungs. CALL A PHYSICIAN immediately. Never induce vomiting or give anything by mouth to an unconscious victim.

**Note to Physicians:**

May cause asthma-like (reactive airways) symptoms. Bronchodilators, expectorants and antitussives may be of help.

**Most Important Symptoms/Effects:**

**Eye Contact:** May cause mild to moderate irritation. May cause: redness. pain.

**Skin Contact:** May cause mild irritation. Contact may cause: allergic skin reaction. discomfort. Excess skin contact may cause: redness. burning.

**Skin Absorption:** No data available.

**Inhalation:** May cause mild irritation. Dusts or mists may irritate: respiratory tract. May cause: allergic reaction. coughing. Prolonged or repeated overexposure may cause: sensitization.

**Ingestion:** May cause mild irritation. May cause: nausea. abdominal discomfort. Large amounts may cause: burning sensation.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing Media:** For fires in area use appropriate media. For example: Water spray. Dry chemical. Carbon dioxide. Alcohol foam.

**Fire Fighting Methods:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-Approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products.

**Fire and Explosion Hazards:** None known.

**Hazardous Combustion Products:** Sulfur oxides. Irritating and/or toxic gases. Corrosive vapors.

**6. ACCIDENTAL RELEASE MEASURES**

**Spill Clean-Up Procedures:** Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Contain spill, place into drums for proper disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

**7. HANDLING AND STORAGE**

**Handling:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Not For Food Use.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Protect against physical damage. See Section 10 for incompatible materials.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**OSHA Exposure Guidelines:**

<u>Component</u>	<u>Limits</u>
No components found.	

**ACGIH Exposure Guidelines:**

<u>Component</u>	<u>Limits</u>
No components found.	

**Note:**

Manufacturer recommends Exposure Limits for Sulfur Dioxide be used as a guide: 5 ppm-TWA (OSHA); 2 ppm-TWA, 5 ppm-STEL (ACGIH)(Vacated 1989 OSHA PELs).

**Engineering Controls:** General room ventilation is required. Use local exhaust to control dust or mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist.

**Eye/Face Protection:** Wear chemical safety goggles while handling this product. Do not wear contact lenses.

**Skin Protection:** Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant.

**Respiratory Protection:** Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If dust or mist is present, wear: NIOSH-Approved respirator for dusts and mists. NIOSH-Approved full-facepiece positive-pressure, air-supplied respirator. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Other Protective Equipment:** Eye-wash station. Safety shower. Protective clothing.

**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid.

**Color:** Clear. Colorless to slightly yellow.

**Odor:** No odor.

**Odor Threshold:** N.D.

**pH:** 10.00 (as is)

**Freezing Point (deg. F):** -10

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** N.D.

**Flash Point:** N.A.

**Flash Point Method:** N.A.  
**Evaporation Rate (nBuAc = 1):** N.D.  
**Flammability (solid, gas):** N.D.  
**Lower Explosion Limit:** N.A.  
**Upper Explosion Limit:** N.A.  
**Vapor Pressure (mm Hg):** N.D.  
**Vapor Density (air=1):** N.D.  
**Specific Gravity or Relative Density:** 1.1250 @  
 25C  
**Solubility in Water:** Complete  
**Partition Coefficient (n-octanol/water):** N.D.  
**Autoignition Temperature:** No Data  
**Decomposition Temperature:** N.D.  
**Viscosity:** N.D.  
**% Volatile (wt%):** N.D.  
**VOC (wt%):** 0  
**VOC (lbs/gal):** 0  
**Fire Point:** N.D.

## 10. STABILITY AND REACTIVITY

**Reactivity:** No data available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur under normal conditions.

**Conditions to Avoid:** Avoid heat. Unstable with heat; releases toxic gases. May air-oxidize.

**Incompatible Materials:** Strong acids. Strong oxidizing agents. Copper, aluminum, zinc and their alloys.

**Hazardous Decomposition Products:** Sulfur oxides.

## 11. TOXICOLOGICAL INFORMATION

<u>Component</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
No components found or no data available for product.			

**Routes of Exposure:** Eyes. Ingestion. Inhalation. Skin.

**Eye Contact:** May cause mild to moderate irritation. May cause: redness. pain.

**Skin Contact:** May cause mild irritation. Contact may cause: allergic skin reaction. discomfort. Excess skin contact may cause: redness. burning.

**Skin Absorption:** No data available.

**Inhalation:** May cause mild irritation. Dusts or mists may irritate: respiratory tract. May cause: allergic reaction. coughing. Prolonged or repeated overexposure may cause: sensitization.

**Ingestion:** May cause mild irritation. May cause: nausea. abdominal discomfort. Large amounts may cause: burning sensation.

**Medical Conditions Aggravated by Exposure to Product:** Some asthmatics are said to be dangerously sensitive to minute amounts of sulfites in foods and some bronchodilator medications preserved with sulfites.

**Other:** SULFUR DIOXIDE GIVEN OFF BY THIS PRODUCT HAS BEEN SHOWN TO CAUSE BREATHING DIFFICULTIES IN ASTHMATICS. Although only moderately toxic in large amounts, sulfites can pose risk to some asthmatics producing central nervous system depression, bronchoconstriction and anaphylaxis.

### **Cancer Information:**

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** No data available.

**Chemical Fate Information:** No data available.

**13. DISPOSAL CONSIDERATIONS**

**Hazardous Waste Number:** N.A.

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation):**

**Proper Shipping Name:** Non-Regulated

**15. REGULATORY INFORMATION**

**TSCA Inventory Status:** This product or all components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

**SARA Title III Section 311/312 Category Hazards:**

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>	<u>Reactive</u>			
Yes	No	No	No	No			
<b>Regulated Components:</b>	<b>CAS</b>	<b>CERCLA</b>	<b>SARA</b>	<b>SARA</b>	<b>U.S.</b>	<b>WI</b>	<b>Prop</b>
<b>Component</b>	<b>Number</b>	<b>RQ</b>	<b>EHS</b>	<b>313</b>	<b>HAP</b>	<b>HAP</b>	<b>65</b>
No components found.							

**16. OTHER INFORMATION**

**Hazard Rating System**

**Health:** 2  
**Flammability:** 0  
**Reactivity:** 0  
 \* = Chronic Health Hazard

**NFPA Rating System**

**Health:** 2  
**Flammability:** 0  
**Reactivity:** 0

**Special Hazard:** None

**SDS Abbreviations**

**N.A. = Not Applicable**  
**N.D. = Not Determined**  
**HAP = Hazardous Air Pollutant**  
**VOC = Volatile Organic Compound**  
**C = Ceiling Limit**  
**N.E./Not Estab. = Not Established**

**SDS Prepared by:** SWO

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Lakeland Chemical Specialites, Inc. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.