



# SAFETY DATA SHEET

### 1. Identification

Product identifier: SODIUM BISULFATE

Other means of identification

CAS No.: 10034-88-5

Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

#### Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company Name: Quality Environmental Containers, Inc.
Address: 607 Industrial Park Road • PO Box 1160

Beaver, WV 25813

Telephone: Customer Service: 800-255-3950

e-mail: info@gecusa.com

### **Emergency telephone number:**

Chemtrec: 800-424-9300

### 2. Hazard(s) identification

#### Hazard classification

#### **Health hazards**

Serious eye damage/eye irritation Category 1

#### Label elements

### Hazard symbol:



Signal word: Danger

**Hazard statement:** Causes serious eye damage.

### **Precautionary statement**

**Prevention:** Wear eye protection/face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Immediately call

a POISON CENTER or doctor/physician.





Other hazards which do not result in GHS classification:

None.

### 3. Composition/information on ingredients

#### **Mixtures**

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*		
SODIUM BISULFATE (HYDRATED FORM)		10034-88-5	90 - 100%		

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

**General information:** Get medical advice/attention if you feel unwell. Show this safety data sheet

to the doctor in attendance.

**Ingestion:** Rinse mouth thoroughly. Get medical attention if symptoms occur.

**Inhalation:** Move to fresh air. Get medical attention if symptoms occur.

**Skin contact:** Wash skin thoroughly with soap and water. Get medical attention if irritation

persists after washing.

**Eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. Call a physician

or poison control center immediately.

Most important symptoms/effects, acute and delayed

**Symptoms:** Causes serious eye damage.

Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

#### 5. Fire-fighting measures

**General fire hazards:** No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing

media:

Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards arising from

the chemical:

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to

flames with water until well after the fire is out.





Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces. SCBA.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unauthorized personnel away. Use personal protective equipment.

See Section 8 of the MSDS for Personal Protective Equipment.

Methods and material for containment and cleaning

up:

Sweep up and place in a clearly labeled container for chemical waste.

Clean surface thoroughly to remove residual contamination.

Notification Procedures: Prevent entry into waterways, sewer, basements or confined areas, Inform

authorities if large amounts are involved.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Avoid discharge into

drains, water courses or onto the ground.

### 7. Handling and storage

**Precautions for safe handling:** Use personal protective equipment as required. Avoid contact with eyes,

skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.

Conditions for safe storage,

including any incompatibilities:

Keep containers tightly closed. Store in cool, dry place. Store in a well-

ventilated place.

### 8. Exposure controls/personal protection

**Control parameters** 

Occupational exposure limits

None of the components have assigned exposure limits.

Appropriate engineering

controls

No data available.

### Individual protection measures, such as personal protective equipment

**General information:** Good general ventilation (typically 10 air changes per hour) should be used.

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If

exposure limits have not been established, maintain airborne levels to an

acceptable level.

**Eye/face protection:** Wear safety glasses with side shields (or goggles).

**Skin protection** 

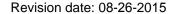
**Hand protection:** Use suitable protective gloves if risk of skin contact.

Other: Wear suitable protective clothing.

**Respiratory protection:** In case of inadequate ventilation, use respiratory protection.

**Hygiene measures:** Provide eyewash station and safety shower. Always observe good personal

hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.





### 9. Physical and chemical properties

**Appearance** 

Physical state: Solid

Form: Crystals or powder.

Color: Colorless
Odor: Odorless

Odor threshold: No data available.

pH: 1.4 Melting point/freezing point: 58 °C

Initial boiling point and boiling range:

Flash Point:

Evaporation rate:

No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper (%):

Explosive limit - lower (%):

No data available.

No data available.

No data available.

No data available.

Vapor pressure:

Vapor density:

No data available.

Solubility(ies)

Solubility in water: 670 g/l

Solubility (other):

Partition coefficient (n-octanol/water):

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

No data available.

No data available.

No data available.

No data available.

Other information

Molecular weight: 138.08 g/mol

#### 10. Stability and reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** Material is unstable under normal conditions.

Possibility of hazardous

reactions:

Hazardous polymerization does not occur. The substance is hygroscopic

and will absorb water by contact with the moisture in the air.

**Conditions to avoid:** Contact with incompatible materials. Moisture. Avoid conditions which

create dust.

**Incompatible materials:** Strong bases.

**Hazardous decomposition** 

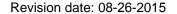
products:

Sulfur dioxide gas may be liberated from the product.

### 11. Toxicological information

## Information on likely routes of exposure

**Ingestion:** May cause irritation of the gastrointestinal tract.





**Inhalation:** May cause irritation to the respiratory system.

**Skin contact:** May cause irritation.

**Eye contact:** Causes serious eye damage.

#### Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

**Product:** No data available.

**Dermal** 

**Product:** No data available.

Inhalation

**Product:** No data available.

Repeated dose toxicity

**Product:** No data available.

Skin corrosion/irritation

**Product:** May cause skin irritation.

Serious eye damage/eye irritation

**Product:** Causes serious eye damage.

Respiratory or skin sensitization

**Product:** Not a skin sensitizer.

Carcinogenicity

**Product:** This substance has no evidence of carcinogenic properties.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

### **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

### Germ cell mutagenicity

In vitro

**Product:** No mutagenic components identified

In vivo

**Product:** No mutagenic components identified

Reproductive toxicity

**Product:** No components toxic to reproduction

Specific target organ toxicity - single exposure

**Product:** No data available.

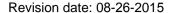
Specific target organ toxicity - repeated exposure

**Product:** No data available.

**Aspiration hazard** 

Product: Not classified

Other effects: None known.





### 12. Ecological information

#### **Ecotoxicity:**

Acute hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

**Aquatic invertebrates** 

**Product:** No data available.

Chronic hazards to the aquatic environment:

Fish

**Product:** No data available.

**Aquatic invertebrates** 

**Product:** No data available.

**Toxicity to Aquatic Plants** 

**Product:** No data available.

Persistence and degradability

Biodegradation

**Product:** There are no data on the degradability of this product.

**BOD/COD** ratio

**Product:** No data available.

Bioaccumulative potential

**Bioconcentration factor (BCF)** 

**Product:** No data available on bioaccumulation.

Partition coefficient n-octanol / water (log Kow)
Product:
No data available.

**Mobility in soil:** The product is water soluble and may spread in water systems.

Other adverse effects: The product components are not classified as environmentally hazardous.

However, this does not exclude the possibility that large or frequent spills

can have a harmful or damaging effect on the environment.

13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local

laws.

**Contaminated packaging:** Since emptied containers retain product residue, follow label warnings even

after container is emptied.





### 14. Transport information

DOT

UN number: UN 3260

UN proper shipping name: Corrosive solid, acidic, inorganic, n.o.s.(SODIUM BISULFATE)

Transport hazard class(es)

Class(es): 8
Label(s): 8
Packing group: III
Marine Pollutant: No

**IMDG** 

UN number: UN 3260

UN proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (SODIUM

BISULFATE)

Transport hazard class(es)

 Class(es):
 8

 Label(s):
 8

 EmS No.:
 F-A, S-B

Packing group: III
Marine Pollutant: No

**IATA** 

UN number: UN 3260

Proper Shipping Name: Corrosive solid, acidic, inorganic, n.o.s.(SODIUM BISULFATE)

Transport hazard class(es):

Class(es): 8
Label(s): 8

Marine Pollutant: No
Packing group: III

### 15. Regulatory information

### **US federal regulations**

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

### Superfund amendments and reauthorization act of 1986 (SARA)

#### **Hazard categories**

Χ	Acute (Immediate)	Chronic (Delayed)	Fire	Reactive	Pressure Generating

### SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

### SARA 304 Emergency release notification

None present or none present in regulated quantities.



#### SARA 311/312 Hazardous chemical

Chemical identity Threshold Planning Quantity

#### SARA 313 (TRI reporting)

None present or none present in regulated quantities.

### Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

#### **US** state regulations

#### **US.** California Proposition 65

No ingredient regulated by CA Prop 65 present.

### US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

#### US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

#### US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

#### US. Rhode Island RTK

Japan Pharmacopoeia Listing:

No ingredient regulated by RI Right-to-Know Law present.

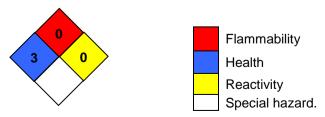
#### **Inventory Status:**

Australia AICS: On or in compliance with the inventory Canada DSL Inventory List: On or in compliance with the inventory EINECS, ELINCS or NLP: On or in compliance with the inventory Japan (ENCS) List: Not in compliance with the inventory. On or in compliance with the inventory China Inv. Existing Chemical Substances: Korea Existing Chemicals Inv. (KECI): Not in compliance with the inventory. Canada NDSL Inventory: Not in compliance with the inventory. Philippines PICCS: On or in compliance with the inventory US TSCA Inventory: On or in compliance with the inventory New Zealand Inventory of Chemicals: On or in compliance with the inventory Japan ISHL Listing: Not in compliance with the inventory.

Not in compliance with the inventory.

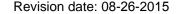
### 16.Other information, including date of preparation or last revision

#### NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Issue date:** 05-16-2014





**Revision date:** No data available.

Version #: 1.0

Further information: No data available.

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