



Univar  
3075 Highland Pkwy STE 200  
Downers Grove, IL 60515  
425-889-3400

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** SODIUM BISULFITE 38-40%

### Other means of identification

**SDS number:** 000100000131

### Recommended use and restriction on use

**Recommended use:** Not available.

**Restrictions on use:** Not known.

**Emergency telephone number:** For emergency assistance Involving chemicals

call CHEMTREC day or night at: 1-800-424-9300. CHEMTREC INTERNATIONAL Tel# 703-527-3887

## 2. Hazard(s) identification

### Hazard classification

#### Health hazards

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

### Label elements

#### Hazard symbol



**Signal word**

Warning

<b>Hazard statement</b>	Corrosive. Causes severe skin burns and eye damage. May cause irritation to the respiratory system. May be corrosive to metals.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	If in eyes: 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. IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see this label). Take off contaminated clothing and wash before reuse.
<b>Storage</b>	Keep container tightly closed. Store in a dry place. Protect from sunlight.
<b>Other hazards which do not result in GHS classification</b>	None.

**3. Composition/information on ingredients**

**Substances**

Chemical identity	Common name and synonyms	CAS number	Content in percent (%)*
Water		7732-18-5	>=58 - <=73%
Sodium Bisulfite		7631-90-5	>=27 - <=42%

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

#### 4. First-aid measures

<b>Ingestion:</b>	Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped. Get medical attention immediately.
<b>Skin contact:</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Eye contact:</b>	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
<b>Most important symptoms/effects, acute and delayed</b>	
<b>Symptoms:</b>	No data available.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No data available.

#### 5. Fire-fighting measures

<b>General fire hazards:</b>	No data available.
<b>Suitable (and unsuitable) extinguishing media</b>	
<b>Suitable extinguishing media:</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media:</b>	No data available.
<b>Specific hazards arising from the chemical:</b>	No data available.
<b>Special protective equipment and precautions for firefighters</b>	
<b>Special fire fighting procedures:</b>	No data available.
<b>Special protective equipment for fire-fighters:</b>	No data available.

#### 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Absorb spillage with non-combustible, absorbent material. Dike for later disposal. Prevent runoff from entering drains, sewers, or streams.

**7. Handling and storage**

**Precautions for safe handling:** Store away from incompatible materials. Use personal protective equipment as required.

**Conditions for safe storage, including any incompatibilities:** No data available.

**8. Exposure controls/personal protection**

**Control parameters**

**Occupational exposure limits**

Chemical identity	Type	Exposure Limit values	Source
Sodium Bisulfite	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values (03 2013)
	REL	5 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards (2010)
	TWA	5 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	5 mg/m <sup>3</sup>	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Sodium Bisulfite - Particulate.	ST ESL	50 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
	AN ESL	5 µg/m <sup>3</sup>	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (02 2013)
Sodium Bisulfite	TWA PEL	5 mg/m <sup>3</sup>	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)

**Appropriate engineering controls** No data available.

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

**General information:** No data available.

**Eye/face protection:** No data available.

**Skin protection**

**Hand protection:** No data available.

**Other:** No data available.

**Respiratory protection:** No data available.  
**Hygiene measures:** No data available.

## 9. Physical and chemical properties

**Physical state:** Liquid  
**Form:** No data available.  
**Color:** No data available.  
**Odor:** No data available.  
**Odor threshold:** No data available.  
**pH:** 4.1 - 4.6  
**Melting point/freezing point:** No data available.  
**Initial boiling point and boiling range:** 212 °F  
**Flash Point:** No data available.  
**Evaporation rate:** No data available.  
**Flammability (solid, gas):** No data available.  
**Upper/lower limit on flammability or explosive limits**  
**Flammability limit - upper (%):** No data available.  
**Flammability limit - lower (%):** No data available.  
**Explosive limit - upper (%):** No data available.  
**Explosive limit - lower (%):** No data available.  
**Vapor pressure:** No data available.  
**Vapor density:** No data available.  
**Relative density:** No data available.  
**Solubility(ies)**  
**Solubility in water:** No data available.  
**Solubility (other):** No data available.  
**Partition coefficient (n-octanol/water):** No data available.  
**Auto-ignition temperature:** No data available.  
**Decomposition temperature:** No data available.  
**Viscosity:** No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical stability:</b>	No data available.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible materials:</b>	No data available.
<b>Hazardous decomposition products:</b>	No data available.

## 11. Toxicological information

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Ingestion:</b>	No data available.
<b>Inhalation:</b>	No data available.
<b>Skin contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

##### Oral

**Product:** ATEmix ( ): 2,000 mg/kg

##### Dermal

**Product:** ATEmix ( ): 2,000 mg/kg

##### Inhalation

**Product:** No data available.

### Specified substance(s):

Sodium Bisulfite LC 50 (Rat, ): > 5.5 mg/l (, No) 2 (reliable with restrictions) LC 50 (Rat, ): > 5.5 mg/l (, No) 2 (reliable with restrictions) LC 50 (Rat, ): > 5.5 mg/l (, No) 2 (reliable with restrictions)

#### Repeated dose toxicity

**Product:** No data available.

#### Skin corrosion/irritation

**Product:** No data available.

#### Serious eye damage/eye irritation

**Product:** No data available.

#### Respiratory or skin sensitization

**Product:** No data available.

#### Carcinogenicity

**Product:** No data available.

**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 data available.

**In vivo**

**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific target organ toxicity - single exposure**

**Product:** No data available.

**Specific target organ toxicity - repeated exposure**

**Product:** No data available.

**Aspiration hazard**

**Product:** No data available.

**Other effects:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Specified substance(s):**

Sodium Bisulfite LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 240 mg/l Mortality  
LC 50 (Sailfin molly (*Poecilia latipinna*), 25 h): 241 mg/l Mortality LC 50  
(Western mosquitofish (*Gambusia affinis*), 48 h): 240 mg/l Mortality LC 50  
(Sailfin molly (*Poecilia latipinna*), 50 h): 220 mg/l Mortality LC 50 (Western  
mosquitofish (*Gambusia affinis*), 96 h): 240 mg/l Mortality

**Aquatic invertebrates**

**Product:** No data available.

**Specified substance(s):**

Sodium Bisulfite EC 50 (Water flea (*Daphnia magna*), 4.2 d): 102 mg/l Intoxication LC 50  
(Water flea (*Daphnia magna*), 24 h): 171 mg/l Mortality LC 50 (Pond snail  
(*Lymnaea*), 24 h): 179 mg/l Mortality LC 50 (Water flea (*Daphnia magna*), 24

h): 179 mg/l Mortality LC 50 (Water flea (Daphnia magna), 25 h): 116 mg/l  
Mortality

**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:** No data available.

**BOD/COD ratio**

**Product:** No data available.

**Bioaccumulative potential**

**Bioconcentration factor (BCF)**

**Product:** No data available.

**Partition coefficient n-octanol / water (log Kow)**

**Product:** No data available.

**Mobility in soil:**

No data available.

**Known or predicted distribution to environmental compartments**

Water No data available.

Sodium hydrogensulfite No data available.

**Known or predicted distribution to environmental compartments**

Water No data available.

**13. Disposal considerations**

**Disposal instructions:** No data available.

**Contaminated packaging:** No data available.

**14. Transport information**

**DOT**

UN number: UN 2693  
UN proper shipping name: Bisulfites, aqueous solutions, n.o.s.  
Transport hazard class(es)  
Class: 8  
Label(s): 8  
Packing group: III  
Marine Pollutant: Not regulated.



Special precautions for user:	–
<b>IATA</b>	
UN number:	UN 2693
Proper Shipping Name:	BISULPHITES, AQUEOUS SOLUTION, N.O.S.
Transport hazard class(es):	
Class:	8
Label(s):	8
Packing group:	III
Environmental hazards	Not regulated.
Special precautions for user:	–
Other information	
Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

**15. Regulatory information**

**US federal regulationsUS. 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):**

Sodium Bisulfite Reportable quantity: 5000 lbs.

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

**Hazard categories**

Not listed.

**SARA 302 Extremely hazardous substance**

None present or none present in regulated quantities.

**SARA 304 Emergency release notification**

<b>Chemical identity</b>	<b>RQ</b>
Sodium Bisulfite	5000 lbs.

**SARA 311/312 Hazardous chemical**

<b>Chemical identity</b>	<b>Threshold Planning Quantity</b>
Sodium Bisulfite	500 lbs

**SARA 313 (TRI reporting)**

None present or none present in regulated quantities.

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

Sodium Bisulfite Reportable quantity: 5000 lbs.

**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.

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

Sodium Bisulfite                      Listed

**US. Massachusetts RTK - Substance List**

Sodium Bisulfite                      Listed

**US. Pennsylvania RTK - Hazardous Substances**

Sodium Bisulfite                      Listed

**US. Rhode Island RTK**

Sodium Bisulfite                      Listed

<b>Inventory Status:</b> Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	On or in compliance with the inventory
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

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

**HMIS Hazard ID**

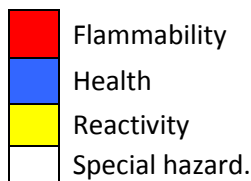
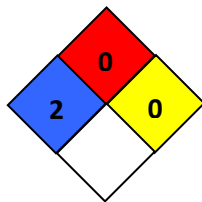
<b>Health</b>		<b>3</b>
<b>Flammability</b>		
<b>Physical hazards</b>		
<b>PERSONAL PROTECTION</b>		<b>B</b>

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*Chronic health effect

**Further information:** Classification not possible. Consult the Supplier in Section 1 of the SDS for additional data.

**NFPA Hazard ID**



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

<b>Issue date:</b>	05/07/2015
<b>Revision date:</b>	No data available.
<b>Version #:</b>	1.1
<b>Further information:</b>	No data available.



# Univar USA Inc Safety Data Sheet

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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