

**SODIUM BISULFITE SOLUTION 40 PERCENT**
**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : SODIUM BISULFITE SOLUTION 40 PERCENT

Other means of identification : Not applicable

Recommended use : Maintenance Product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Inc.  
1 Ecolab Place  
St. Paul, Minnesota USA 55102  
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 05/01/2019

**SECTION 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Acute toxicity (Oral) : Category 4

**GHS label elements**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : Harmful if swallowed.

Precautionary Statements : **Prevention:**  
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

**Other hazards** : The head space of containers containing this product may accumulate Sulphur Dioxide (SO<sub>2</sub>). SO<sub>2</sub> is a toxic and irritating gas that can be hazardous if inhaled.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
sodium bisulfite	7631-90-5	30 - 60

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

#### SECTION 4. FIRST AID MEASURES

In case of eye contact	: Rinse with plenty of water.
In case of skin contact	: Rinse with plenty of water.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Get medical attention if symptoms occur.
Protection of first-aiders	: No special precautions are necessary for first aid responders.
Notes to physician	: Treat symptomatically.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

#### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during fire fighting	: Heating or fire can release toxic gas. May evolve oxides of sulfur (SO <sub>x</sub> ) under fire conditions.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides Sulfur oxides
Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### SECTION 7. HANDLING AND STORAGE

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

- Advice on safe handling : Do not ingest. Wash hands thoroughly after handling. Containers should be opened cautiously and only in well ventilated areas.
- Conditions for safe storage : Keep out of reach of children. Store in a well-ventilated place. Store in suitable labeled containers. Do not store at elevated temperature.
- Storage temperature : 40 °C to 5 °C

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Ingredients with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
sodium bisulfite	7631-90-5	TWA	5 mg/m <sup>3</sup>	ACGIH
		TWA	5 mg/m <sup>3</sup>	NIOSH REL
sulphur dioxide	7446-09-5	STEL	0.25 ppm	ACGIH
		TWA	2 ppm 5 mg/m <sup>3</sup>	NIOSH REL
		STEL	5 ppm 13 mg/m <sup>3</sup>	NIOSH REL
		TWA	5 ppm 13 mg/m <sup>3</sup>	OSHA Z1

Exposure limits are listed for sulfur dioxide (SO<sub>2</sub>) since this product evolves SO<sub>2</sub> when open to the atmosphere.

- Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

##### Personal protective equipment

- Eye protection : No special protective equipment required.
- Hand protection : No special protective equipment required.
- Skin protection : No special protective equipment required.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Color : yellow
- Odor : pungent
- pH : 3.5, (100 %)
- Flash point : Not applicable
- Odor Threshold : No data available
- Melting point/freezing point : No data available
- Initial boiling point and : > 100 °C

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

boiling range

Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.34
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, kinematic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Molecular weight	: No data available
VOC	: No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Evolves SO <sub>2</sub> when open to atmosphere. The rate of SO <sub>2</sub> evolution increases with temperature and/or transfer of product.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: Keep away from heat and sources of ignition.
Incompatible materials	: Acids Organic materials  SO <sub>2</sub> may react with vapors from neutralizing amines and may produce a visible cloud of amine salt particles.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides Sulfur oxides

### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact
--	---

#### Potential Health Effects

Eyes	: Health injuries are not known or expected under normal use.
------	---

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

Skin : Health injuries are not known or expected under normal use.

Ingestion : Harmful if swallowed.

Inhalation : May release toxic, irritating and/or corrosive gases.

Chronic Exposure : Health injuries are not known or expected under normal use.

#### Experience with human exposure

Eye contact : No symptoms known or expected.

Skin contact : No symptoms known or expected.

Ingestion : No information available.

Inhalation : No symptoms known or expected.

#### Toxicity

##### Product

Acute oral toxicity : Acute toxicity estimate : 1,250 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitization : Contains an ingredient that can cause asthmatic-like reactions in sulfite-sensitive individuals.

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT-single exposure : No data available

STOT-repeated exposure : No data available

Aspiration toxicity : No data available

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

##### Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

##### Components

Toxicity to fish : sodium bisulfite

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

96 h LC50 Fish: 177.8 mg/l

#### Persistence and degradability

Not applicable - inorganic

#### Bioaccumulative potential

No data available

#### Mobility in soil

No data available

#### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

### SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

UN number : 2693  
Description of the goods : Bisulfites, aqueous solutions, n.o.s.  
(sodium bisulfite)  
Class : 8  
Packing group : III  
Environmentally hazardous : no

#### Sea transport (IMDG/IMO)

UN number : 2693  
Description of the goods : BISULPHITES, AQUEOUS SOLUTION, N.O.S.  
(sodium bisulfite)  
Class : 8  
Packing group : III  
Marine pollutant : no

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know

##### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
sodium bisulfite	7631-90-5	5000	12500

## SAFETY DATA SHEET

### SODIUM BISULFITE SOLUTION 40 PERCENT

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

#### The ingredients of this product are reported in the following inventories:

##### United States TSCA Inventory :

On the inventory, or in compliance with the inventory

##### Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL

##### Australia Inventory of Chemical Substances (AICS) :

On the inventory, or in compliance with the inventory

##### New Zealand. Inventory of Chemical Substances :

On the inventory, or in compliance with the inventory

##### Japan. ENCS - Existing and New Chemical Substances Inventory :

On the inventory, or in compliance with the inventory

##### Korea. Korean Existing Chemicals Inventory (KECI) :

On the inventory, or in compliance with the inventory

##### Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

On the inventory, or in compliance with the inventory

##### China. Inventory of Existing Chemical Substances in China (IECSC) :

On the inventory, or in compliance with the inventory

##### Taiwan Chemical Substance Inventory (TCSI) :

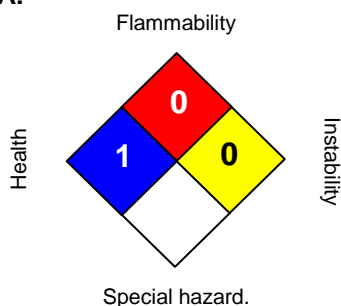
On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

# SAFETY DATA SHEET

## SODIUM BISULFITE SOLUTION 40 PERCENT

### NFPA:



### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 05/01/2019  
Version : 1.2  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.