



Revision Date Jan-06-2017

Safety Data Sheet

Item #10592

Safety Data Sheet 0599

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name
UNID No.
Synonyms
Recommended Use
Uses advised against

Sodium Bisulfite 30% Solution
UN2693
No information available
Reserved for industrial and professional use
Consumer uses: Private households (= general public = consumers).

CONTROLLED
IF STAMP

Company Name
PVS Chemical Solutions Inc.
10900 Harper Ave.
Detroit, MI 48213
313-921-1200

24 Hour Emergency Phone Number CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification
OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral
Skin corrosion/irritation
Serious eye damage/eye irritation

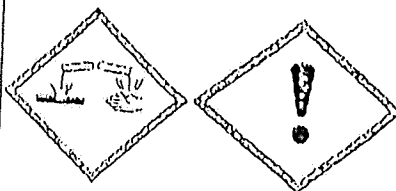
Category 4
Category 1 Sub-category C
Category 1

Hazard statements

Emergency Overview

Physical hazards

Causes severe skin burns and eye damage
Causes serious eye irritation
Harmful if swallowed
Do not handle until all hazard precautions have been read and understood



Precautionary statements
Prevention

Response

Storage

Disposal

- Wear protective gloves/protective clothing/eye protection/face protection
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
- Wash contaminated clothing before reuse
- Store in a well-ventilated place. Keep container tightly closed
- Store in a secure area
- Dispose of in accordance with federal, state and local regulations

Sodium Bisulfite 38% Solution

Hazards not otherwise classified (HINOC)

None known.

Other Information

Other hazards

• May be harmful if swallowed

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Weight-%
Water	7732-18-5	231-791-2	62
Sodium bisulfite	7631-90-5	231-548-0	38

4. FIRST AID MEASURES

General advice

If symptoms persist, call a physician Do not breathe dust/fume/gas/mist/vapors/spray Do not get in eyes, on skin, or on clothing

Eye contact

• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
• Keep eyes wide open while rinsing
• If symptoms persist, call a physician

Skin Contact

• Consult a physician if necessary
• Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes
• Wash contaminated clothing before reuse

Inhalation

• Remove to fresh air
• If breathing is irregular or stopped, administer artificial respiration
• If breathing is difficult, give oxygen
• If symptoms persist, call a physician

Ingestion

• Call a physician or poison control center immediately
• Do NOT induce vomiting
• Rinse mouth
• Drink 1 or 2 glasses of water
• Never give anything by mouth to an unconscious person

Note to physician

• Treat symptomatically

Self-protection for first aid personnel

• Use personal protective equipment as required

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

• Dry chemical, CO2, water spray or alcohol-resistant foam
• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
• No information available

Unsuitable extinguishing media

• Thermal decomposition can lead to release of irritating and toxic gases and vapors
• Sulfur Oxides (SOx)

Specific hazards arising from the chemical

• Wear a self-contained breathing apparatus and chemical protective clothing

Protective equipment and precautions for firefighters

Flammable properties
Explosive properties

• Not flammable
• No information available

Sodium Bisulfite 38% Solution

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Environmental precautions

Methods for cleaning up

Other Information

- Evacuate personnel to safe areas
- Use personal protective equipment as required
- Keep people away from and upwind of spill/leak
- For small spills, absorb material with clay absorbent or other compatible material.
- Dispose of the waste material according to local, state and governmental requirements.
- For large spills, contain the material using barriers of absorbent pigs, clay absorbent or earth dams.
- Cover liquid spill with sand, earth or other non-combustible absorbent material
- Pick up and transfer to properly labeled containers
- Cover powder spill with plastic sheet or tarp to minimize spreading
- No information available

7. HANDLING AND STORAGE

Advice on safe handling

Storage Conditions

Incompatible materials

- Avoid contact with skin, eyes or clothing
- Use personal protective equipment as required
- Wash contaminated clothing before reuse
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Keep container tightly closed in a dry and well-ventilated place
- Keep out of the reach of children
- Acids, Oxidizers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium bisulfite 7631-90-5	TWA: 5 mg/m ³		TWA: 5 mg/m ³

Exposure Guidelines

Engineering Controls

Individual protection measures, such as personal protective equipment

Respiratory protection

Eye/Face protection

Skin and body protection

General Hygiene Considerations

Ensure adequate ventilation, especially in confined areas.

• A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

• Tight sealing safety goggles

• Wear suitable protective clothing

• Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

• Handle in accordance with good industrial hygiene and safety practice

• Do not eat, drink or smoke when using this product

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	clear
Color	colorless or slight yellow
Odor	Sulfur dioxide
Odor threshold	No information available

Property
pH

Values
3-5

Remarks • Method

Sodium Bisulfite 38% Solution

Melting point/Freezing Point

Boiling point / boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Flammability Limit in Air

Upper flammability limit (%)

Lower flammability limit (%):

Vapor pressure

Vapor density

Specific Gravity

Water solubility

Solubility in other solvents

Partition coefficient

Autoignition temperature

Decomposition temperature

Kinematic viscosity

Dynamic viscosity

Explosive properties

Oxidizing properties

No information available

No information available

No information available

No information available

No information available

No information available

No information available

78 mm Hg

No information available

1.3-1.37

Miscible in water

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

Other Information

Softening point °C

Molecular weight

VOC Content (%)

Density

Bulk density

No information available

No information available

No information available

No information available

10.8-11.4 Pounds per gallon (lb/gal)

@ 37.7 °C

10. STABILITY AND REACTIVITY

Stability

• Stable under recommended storage conditions

Conditions to avoid

• Elevated temperature

Incompatible materials

• Acids
• Oxidizers

Hazardous Decomposition Products

• Reacts with acids to liberate corrosive and toxic sulfur dioxide
• Thermal decomposition can lead to release of irritating and toxic gases and vapors
• Sulfur Oxides (SOx)
• Carbon oxides (COx)

Possibility of Hazardous Reactions

• None under normal processing and storage

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure

-Inhalation

Ingestion

Skin Contact

Eye contact

-Inhalation, Skin Contact, Eye contact
May cause irritation of respiratory tract. Avoid breathing vapors or mists.
May be harmful if swallowed.
May cause skin irritation and/or dermatitis.
Causes eye irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water	> 90 mL/kg (Rat)		
7732-18-5			
Sodium bisulfite	= 1310 mg/kg (Rat)		
7031-90-5			

Information on toxicological effects

Symptoms

No information available

Sodium Bisulfite 38% Solution

Delayed and immediate effects as well as chronic effects from short and long-term exposure.

Sensitization
Germ cell mutagenicity
Carcinogenicity

No information available.

No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium bisulfite 7631-90-5		Group 3		

IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Target Organ Effects
Aspiration hazard

No information available.

No information available.

No information available.

Eyes, Respiratory system, Skin.

No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

12. ECOLOGICAL INFORMATION

Ecotoxicity.

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium bisulfite 7631-90-5			119: 48 h Daphnia magna mg/L EC50

Persistence and degradability.
Bioaccumulation

No information available.

No information available

Other adverse effects.

No information available

13. DISPOSAL CONSIDERATIONS

Disposal of wastes

- Dispose of in accordance with federal, state and local regulations
- Dispose of hazardous waste in a RCRA licensed facility
- Do not reuse container
- D002

Contaminated packaging
US EPA Waste Number

14. TRANSPORT INFORMATION

DOT

Proper shipping name

Bisulfites, aqueous solution, n.o.s.

Hazard Class

8

UN/ID No.

UN2693

Packing Group

III

RQ (lbs)(dry)

5000

RQ as is (lbs)(wet)

13157

Technical Name Description

SODIUM BISULFITE

Description

UN2693, Bisulfites, aqueous solution, n.o.s., 8, III, RQ

Special Provisions

IB3, T7, TP1, TP28

Emergency Response Guide Number

154

Transport Canada

UN/ID No.

UN2693

Proper shipping name

Bisulfites, aqueous solution, n.o.s.

Hazard Class

8

Packing Group

III

Description

UN2693, Bisulfites, aqueous solution, n.o.s., 8, III

Sodium Bisulfite 38% Solution

ATA

UNID No. UN2693
 Proper shipping name Bisulphites, aqueous solution, n.o.s.
 Hazard Class 8
 Packing Group III
 ERG Code 8L

IMDG

UNID No. UN2693
 Proper shipping name Bisulphites, aqueous solution, n.o.s.
 Hazard Class 8
 Packing Group III
 EmS-No. F-A, S-B
 Special Provisions 274

US Federal Regulations

15. REGULATORY INFORMATION

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

U.S. TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium bisulfite 7631-90-5	5000 lb			X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ (lbs)(dry)
Sodium bisulfite 7631-90-5	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

Canada

WHMIS Classification

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR
 E - Corrosive material

D2B - Toxic materials



US State Regulations

California Proposition 65

U.S. State Right-to-Know Regulations

This product does not contain any Proposition 65 chemicals

Sodium Bisulfite 38% Solution

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Water			
7732-18-5			
Sodium bisulfite	X	X	X
7631-90-5			

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Does not comply
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

NFPA

Health hazards 2 Flammability 0

HMIS

Health hazards 2 Flammability 0

Instability 0
 Physical hazards 0
 Physical and Chemical Properties
 Personal protection B

Item

Safety Data Sheet

Revision Date

Issue Date

Version

Revision Note

Disclaimer

*** Updated value on SDS.

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End of Safety Data Sheet