

# SAFETY DATA SHEET

Version 3

## 1 Identification of the Substance / Preparation and of the Company / Undertaking

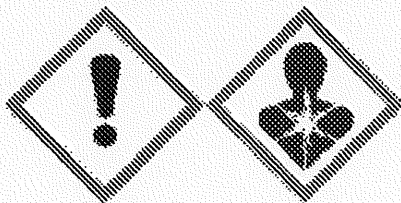
**Product Name:** Sodium Bisulfite 40% Solution  
**UN/ID No** UN2693  
**Synonyms:** Sodium acid sulfite; Sulfurous acid, monosodium salt; Sodium hydrogen sulfite, solid  
**Recommended Use** Industrial, Manufacturing or Laboratory use.  
**Company Name:**  
Hawkins, Inc., 2381 Rosegate, Roseville, MN 55113 (612-331-6910)

**Emergency Telephone:**  
CHEMTREC (US): 1-800-424-9300

## 2 Hazards Identification

### GHS - Classification

Skin corrosion/irritation	Category 2
Respiratory sensitization	Category 1A
Skin sensitization	Category 1A
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

**Signal Word:****Danger****Hazard Statements:**

- Causes skin irritation
- May cause allergy or asthma symptoms or breathing difficulties if inhaled
- May cause an allergic skin reaction
- May cause respiratory irritation. May cause drowsiness or dizziness
- Causes damage to organs through prolonged or repeated exposure

**Physical Hazards**

- None

**Precautionary Statements:**

**14635 Sodium Bisulfite 40% Solution**

- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- In case of inadequate ventilation wear respiratory protection
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves/protective clothing/eye protection/face protection
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor if you feel unwell
- Store in a well-ventilated place. Keep container tightly closed
- Store locked up
- 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
- Get medical advice/attention if you feel unwell
- Dispose of contents/ container to an approved waste disposal plant

**3. Composition / Information on Ingredients****Hazardous**

Chemical Name	CAS No	Weight-%	EC No
Sodium bisulfite	7631-90-5	39-41	231-548-0

**Non-Hazardous**

Chemical Name	CAS No	Weight-%	EC No
Water	7732-18-5	Balance	231-791-2

**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:** Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
- Skin Contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
- Inhalation:** Move to fresh air. Obtain medical attention. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
- Note to Physicians:** Treat symptomatically.
- Self-protection of the First Aider:** Use personal protective equipment as required.

**5. Fire-fighting Measures****Flammable Properties:**

Not considered to be a fire hazard

**14635 Sodium Bisulfite 40% Solution****Explosive Properties:**

Not considered to be an explosion hazard

**Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, Do not allow run-off from fire-fighting to enter drains or water courses

**Unsuitable Extinguishing Media:**

No information available

**Protective Equipment and Precautions for Firefighters:**

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

**6. Accidental Release Measures****Personal Precautions:** Use only with adequate ventilation.**Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas.**Methods for Cleaning Up:** Pick up and transfer to properly labeled containers. Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading.**Other Information:** Not applicable.**7. Handling and Storage****Advice on Safe Handling:** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.**Incompatible Materials:** Acids; Oxidizing agents; Aluminum; Alkali**8. Exposure Controls / Personal Protection****Exposure Guidelines**

Chemical Name		ACGIH TLV		OSHA PEL		Ontario TWA	
Sodium bisulfite		TWA: 5 mg/m <sup>3</sup>		(vacated) TWA: 5 mg/m <sup>3</sup>		TWA: 5 mg/m <sup>3</sup>	
Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan	
Sodium bisulfite				TWA: 5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	

**Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)**Engineering Controls:** Ensure adequate ventilation, especially in confined areas**Personal protective equipment (PPE)****Eye/Face Protection:** Tight sealing safety goggles.**Body Protection:** Suitable protective clothing.**General Hygiene Considerations:**

Wash contaminated clothing before reuse.

**9. Physical and Chemical Properties****9.1. Information on basic physical and chemical properties****Physical State:** Liquid

**14635 Sodium Bisulfite 40% Solution**

<b>Appearance:</b>	No information available	<b>Odor:</b>	Slight odor of sulfur dioxide
<b>Color:</b>	Clear Yellow	<b>Odor Threshold:</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>		No information available
<b>"Salt Out" Point (°F):</b>		No information available
<b>Melting Point/Freezing Point:</b>	4 °F / 40 °C	
<b>Boiling Point/Boiling Range:</b>		No information available
<b>Flash Point:</b>		No information available
<b>Evaporation Rate (BuAc=1):</b>		No information available
<b>Flammability (solid, gas):</b>		No information available
<b>Flammability Limits in Air:</b>		No information available
<b>Upper Flammability Limit:</b>		
<b>Lower Flammability Limit:</b>		
<b>Vapor Pressure (mm Hg) :</b>		No information available
<b>Vapor density (Air =1)</b>		No information available
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.33	
<b>Specific Gravity (2nd value):</b>		
<b>Water Solubility:</b>	Soluble in water	
<b>Solubility(ies):</b>		No information available
<b>Partition Coefficient (n-octanol/water)</b>		No information available
<b>Autoignition Temperature:</b>		No information available
<b>Decomposition Temperature:</b>		No information available
<b>Kinematic Viscosity:</b>		No information available
<b>Dynamic Viscosity:</b>		No information available
<b>Oxidizing Properties:</b>	No information available	
<b>Explosive Properties:</b>	Not considered to be an explosion hazard	

**9.2. Other information**

<b>Softening Point:</b>	No information available
<b>Molecular Weight:</b>	104.06
<b>VOC Content(%):</b>	No information available
<b>Density:</b>	No information available
<b>Bulk Density:</b>	No information available

**10. Stability and Reactivity**

<b>Stability:</b>	Stable under normal conditions of use and storage
<b>Conditions to Avoid:</b>	Heat, flames and sparks; Incompatibles; Ignition sources
<b>Incompatible Materials:</b>	Acids, Oxidizing agents, Aluminum, Alkali
<b>Hazardous Decomposition Products:</b>	Sulfur oxides; Sodium sulfide
<b>Possibility of Hazardous Reactions:</b>	None under normal processing

**11. Toxicological Information****Product Information**

**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

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	LC <sub>50</sub> (Lethal Concentration)
Sodium bisulfite	1420 mg/kg ( Rat )		

**14635 Sodium Bisulfite 40% Solution**

Water	90 mL/kg ( Rat )		
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**Chronic Toxicity:**

**Carcinogenicity:** The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	IARC
Sodium bisulfite	Group 3

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

**Target Organ Effects:** Respiratory system, Eyes, Skin

**12. Ecological Information****Ecotoxicity**

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

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium bisulfite		240: 96 h <i>Gambusia affinis</i> mg/L LC50 static	119: 48 h <i>Daphnia magna</i> mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** No information available.

**13. Disposal Considerations**

**Waste from Residues/Unused Products:** Disposal should be in accordance with applicable regional, national and local laws and regulations

**14. Transport Information****DOT**

<b>Proper shipping name</b>	BISULFITES, AQUEOUS SOLUTIONS, N.O.S. (SODIUM BISULFITE)
<b>Hazard Class</b>	8
<b>UN/ID No</b>	UN2693
<b>Packing Group</b>	III
<b>Description</b>	UN2693, BISULFITES, AQUEOUS SOLUTIONS, N.O.S. (SODIUM BISULFITE), 8, PG III

**15. Regulatory Information****International Inventories**

All of the components in the product are on the following inventory lists: TSCA (United States);, Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), ENCS (Japan);, Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

**14635 Sodium Bisulfite 40% Solution**

AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Sodium bisulfite	Listed	Listed	Listed	-	Listed	-	(1)-502	Listed	KE-31484	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present

**Inventory Legend**

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - 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

**RESTRICTIONS - REACH TITLE VII** No information available**US Federal Regulations****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	CERCLA Hazardous Substances and the Reportable Quantities	SARA Extremely Hazardous Substances EPCRA RQ	SARA Extremely Hazardous Substances TPQ
Sodium bisulfite	5000 lb 2270 kg	-	-

**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

**SARA 311/312 Hazard Categories**

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

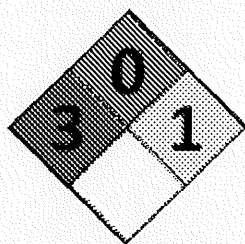
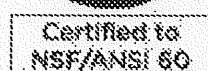
**U.S. State Right-to-Know Regulations****California Proposition 65:**

This product does not contain any Proposition 65 chemicals

**16. Other Information****National Fire Protection Association (NFPA) Ratings**

**14635 Sodium Bisulfite 40% Solution**

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**NSF/ANSI 60 Certification****Maximum Use (mg/L unless otherwise indicated):**

46

**Prepared By:**

HSE Department

**Issue Date:**

04-Oct-2012

**Revision Date:**

19-Jan-2016

**Revision Note:**

Updated section(s) 2

**Disclaimer:**

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the consumer. No suggestions are intended as, and should not be constructed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.

*End of Safety Data Sheet*