

**REQUEST FOR BIDS**

**SODIUM BISULFITE**  
Water Division

CITY OF RAPID CITY  
RAPID CITY, SOUTH DAKOTA

**April 9, 2013**  
**2:00 P.M.**

**SAM KOOIKER**  
MAYOR

**COUNCIL MEMBERS**

Bill Clayton  
Steve Laurenti  
Chad Lewis  
Amanda Scott  
Bonny Petersen

Charity Doyle  
Ritchie Nordstrom  
Jerry Wright  
John Roberts  
Ron Sasso

**TERRY WOLTERSTORFF**  
DIRECTOR OF PUBLIC WORKS

**JOHN WAGNER**  
WATER DIVISION SUPERINTENDENT



**SPECIFICATIONS FOR  
SODIUM BISULFITE  
Rapid City, South Dakota**

Bids will be received at the Rapid City Finance Office, 300 Sixth Street, Rapid City, South Dakota on April 9, 2013 until 2:00 P.M. for furnishing SODIUM BISULFITE which shall meet the following specifications:

**SCOPE**

It is the intent of these specifications to describe SODIUM BISULFITE in sufficient detail to secure bids on comparable SODIUM BISULFITE. All parts not specifically mentioned, which are necessary in order to provide SODIUM BISULFITE shall be included in the bid and shall conform in strength, quality of material and workmanship to what is usually provided the trade in general.

The City's intent is to obtain a reasonable bid from all qualified bidders. If for any reason bidders are unable to meet or equal the following specifications, the City will receive for consideration minor deviations of specifications. Deviations and variations of specifications must be fully detailed and explained by the bidder on the form provided and stapled to the BIDDER'S PROPOSAL.

All bids must be accompanied by literature completely describing the SODIUM BISULFITE to be furnished. Each bidder must be a certified dealer authorized by the manufacturer he represents. Each bid shall contain a dealer and/or factory warranty as a guarantee of the product to be furnished. The guarantee shall be stated in the descriptive literature or by a letter.

**GENERAL CONDITIONS**

1) Bidders Information

Each bid envelope shall contain **ONLY ONE** (1) Bid Proposal and shall be marked with the words "**Sealed Bid – SODIUM BISULFITE**".

Each bid must be accompanied by a certified check or cashier's check for One Hundred Dollars (\$100), such check to be certified or issued by either a State or National Bank and payable to the City of Rapid City, South Dakota, or in lieu thereof, a Two Hundred Dollar (\$200) bid bond, such bond to be issued by a surety authorized to do business in this State, payable to the City of Rapid City, Rapid City, South Dakota, as a guarantee of the bidder entering into a contract, for the supplying of SODIUM BISULFITE for the City of Rapid City. After this has been accomplished, the bidder's check or bid bond will be returned; the checks or bonds of all the unsuccessful bidders will be returned within thirty (30) days after the bids have been opened.

Bids submitted by mail, express courier, or common carrier cannot be accepted unless received in the City Finance Office prior to the time for the scheduled bid opening. Bids submitted by telefax cannot be accepted.

**Each bid envelope shall contain the entire set of specifications and a completed "ARTICLE 5 CONTRACT DOCUMENT" upon submittal of the bid. Incomplete bids will be rejected.**



To the extent provided by statute, preference will be given to materials, products, and supplies found or produced within the State of South Dakota. (SDCL Chapter 5-18A.)

The City reserves the right to reject all bids and unless all bids presented are rejected, the lowest responsible bid, in all cases, will be accepted. In case the low bid is not responsible or the bid is not made in accordance with the requirements of SDCL Chapters 5-18A through 5-18D or the low bid is withdrawn, the bid of the next lowest responsible bidder may be accepted; however, to the extent allowed by law the City reserves the right to accept the bid that is to the advantage of and is in the best interest of the City of Rapid City.

Payment for the SODIUM BISULFITE will be made BY CHECK, within a reasonable time after receipt and approval of the SODIUM BISULFITE and approval by the Common Council.

The unit price of the bid must be stated on the Bidder's Proposal form, along with the extended price bid. Unit price shall take precedence over extended price; written figures shall take precedence over numerical figures.

The SODIUM BISULFITE shall be delivered F.O.B., Jackson Springs Water Treatment Plant, 5200 Cleghorn Canyon Rd., Rapid City, South Dakota.

The quantities shown in the proposal are approximate for 2013. It shall be understood that the City of Rapid City reserves the right to purchase more or less than the specified amounts as it deems expedient. Purchases made by the City of Rapid City are subject to available funding. If the Rapid City Council fails to approve additional funding for this purchase in the 2013 budget, the City of Rapid City will not be obligated to purchase any additional SODIUM BISULFITE.

Bids and quotations shall be for the period starting April 16, 2013, and ending approximately one year later and shall show net delivered prices without State or Federal taxes. The City of Rapid City requires firm bids from all bidders. The City reserves the right to reject any bid not stating a firm price as not responsive.

All prices shall be F.O.B., Rapid City South Dakota to the Jackson Springs Water Treatment Plant.

## 2) Rejection

If the material does not meet the requirements of these specifications, notice shall be given to the vendor within thirty (30) days after the receipt of the SODIUM BISULFITE. In this event, payment shall be withheld, and the vendor shall remove the product from the City premises and shall replace it with a like amount of acceptable SODIUM BISULFITE.

## 3) Contract Extension

The City of Rapid City annually reserves the option of extending the 2013 contract through the calendar years of 2014, 2015 and 2016. The extension option may be exercised if agreed to by both parties.



## **Detailed Specifications Sodium Bisulfite**

### **GENERAL**

Each bid shall be accompanied by an affidavit from the vendor that will furnish the sodium bisulfite that indicates that the sodium bisulfite complies with all requirements of the specifications.

#### **1. Product Specifications**

The sodium bisulfite supplied shall be furnished in concentrations of 38% - 42% with a specific gravity of 1.31 to 1.36 at room temperature of 60°F and a pH of 4.0-4.8. The sulfur dioxide equivalent shall be from 23.4% to 24.8%. The iron content shall not exceed 3 ppm and heavy metals shall not exceed 5 ppm.

#### **2. Standards:**

- a. Sodium bisulfite shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals—Health Effects.

#### **3. Quantities and Delivery**

Sodium bisulfite shall be delivered to the following locations:  
Jackson Springs Water Treatment Plant  
5200 Cleghorn Canyon Rd  
Rapid City, SD

The Jackson Spring Water Treatment Facility has one XLPE storage tanks for accepting sodium bisulfite with a useable volume of 545 gallons.

- a. Bidder shall supply the volume of their standard tank truck on the bid form.
- b. The anticipated usage for the initial term of the contract is approximately 280 gallons of 40% sodium bisulfite per year. Rapid City retains the option to increase or decrease the quantity purchased based upon actual usage.
- c. The successful bidder shall be able to deliver within 48 hours of notification.
- d. Delivery procedures shall comply with current federal, state, and local regulations.
  - i. Tank trucks used for the delivery of the sodium bisulfite shall be fully equipped to unload by pressurizing the tanks with air and shall be equipped with valves to control the flow of sodium bisulfite into the storage tank and to enable rapid shut-off if an emergency arises.
  - ii. Tank truck hoses shall be equipped to connect to the WTF sodium bisulfite tank fill line (1" PVC quick connect).





**BIDDER'S PROPOSAL**

NAME OF BIDDER: Hawkins Water Treatment Group

ADDRESS: 11810 Sturgis Rd., Black Hawk, SD 57718

PHONE NO.: ( 605 ) 787-6881 FAX NO.: ( 605 ) 787-6882

E-mail address: al.hansen@hawkinsinc.com

Bidder proposes and agrees to and with the City of Rapid City, South Dakota ("City") to furnish SODIUM BISULFITE at the following price, to-wit:

DESCRIPTION	Quantity	UNIT PRICE (numerical)	EXTENDED PRICE (numerical)
SODIUM BISULFITE delivered as per specifications (Per Gal)	280	\$ <u>4.50</u>	\$ <u>1,260.00</u>

One Thousand-two hundred sixty dollars  
*(Extended Price in Words)*

The within proposal and agreement are based upon the conditions, stipulations, and specifications named in the notice inviting bids for said SODIUM BISULFITE, which notice and detailed specifications are made a part of this contract as if written herein at length. The SODIUM BISULFITE shall be delivered F.O.B., Jackson Springs Water Treatment Plant, Rapid City, SD 57702 within 14 calendar days (to be filled in by Bidder) after date of awarding contract.

The Bidder further agrees and states that he has read the notice calling for bids and has studied the detailed specifications and that he is familiar with the terms and conditions stipulated therein and agrees to enter into attached Contract.

Hawkins Water Treatment Group  
NAME OF COMPANY - BIDDER

*Al Hansen*  
AUTHORIZED SIGNATURE

Al Hansen-Branch Manager  
Print Name & Title

11810 Sturgis Rd., Black Hawk, SD 57718  
Address

4/9/13  
Date

**BIDDER MUST FILL IN ALL SPACES PROVIDED ABOVE**







**CONTRACT FOR  
SUPPLIES AND EQUIPMENT  
BETWEEN  
SUPPLIER AND CITY OF RAPID CITY**

THIS AGREEMENT, made the 15th day of April, 2013, by and between Hawkins Water Treatment Group hereinafter "Supplier," and the City of Rapid City, South Dakota, hereinafter "City," WITNESSETH:

That the Supplier and the City, for the consideration named, agree as follows:

**ARTICLE 1. SCOPE OF WORK**

The Supplier shall furnish all of the materials, labor and perform all of the work as described in the specifications for Supplies and Equipment entitled SODIUM BISULFITE prepared by the Public Works Department, Rapid City, South Dakota, and shall do everything required by this Contract, General Conditions, Special Conditions, and Detailed Specifications, which are hereby made a part of this Contract, including the following Addenda.

Addendum No.	Dated
_____	_____
_____	_____

**ARTICLE 2. TIME OF COMPLETION**

The furnishing or ordering of materials, supplies, and equipment under this Contract shall be commenced as soon as possible within the time stated in the specifications unless the specifications expressly provide for a one time delivery, it is agreed that the City may place orders under this Contract at any time or times within the Contract period. Failure to meet the terms of the Contract on or before the completion date may result in forfeiture of the Performance Bond or deposit, if any; and shall be deemed a breach of this Contract. Request for time extensions shall be made in writing to the Water Division at least fourteen (14) days before the Contract completion date. All time extensions will be issued by the City through the Public Works Department.

**ARTICLE 3. THE CONTRACT SUM**

The City shall pay the Supplier for the performance of the Contract, subject to additions and deductions provided therein, in current funds as follows:

One Thousand Two Hundred Sixty Dollars (\$ 1,260.00 )

**ARTICLE 4. ACCEPTANCE AND FINAL PAYMENT**

Upon delivery of any items under this Contract, the Individual or Department specified in Article 2 for making time extensions shall satisfy himself by examination that the furnishing of supplies and equipment has been finally and fully completed in accordance with the Specifications and Contract, and shall make up the appropriate purchase order. The Supplier must complete and return a proper City voucher and payment will be made on said voucher as soon as possible after approval by the Common Council.



**ARTICLE 5. THE CONTRACT DOCUMENTS**

The Notice for Bids, General Conditions, Special Conditions, Addendum, Specifications, and the Bidder's Proposal together with this Agreement, form the Contract, and all are as fully a part of the Contract as if herein setforth at length.

The Supplier further agrees and states that he has read the advertisement calling for bids and has studied the detailed specifications and that he is familiar with the terms and conditions stipulated therein.

IN WITNESS WHEREOF: The City of Rapid, South Dakota, its Council having duly approved this Contract, has caused this Contract to be executed in its behalf by its Mayor, hereunto duly authorized, attested thereto by its Finance Officer, and has hereto attached its corporate seal this 15 day of April, 2013.

If you have any concerns regarding the provision of services or employment on the basis of disability/handicap you may contact our ADA/Section 504 coordinator, ADA Coordinator, Mayor's Office, 300 6<sup>th</sup> Street, Rapid City, South Dakota 57701 605-394-4110.

THE CITY OF RAPID CITY, SOUTH DAKOTA

ATTEST:

*PSumma*  
City Finance Officer

by *Sesto*  
MAYOR

Date 4-15-13

(SEAL)

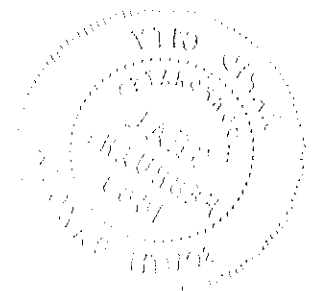
Hawkins Water Treatment Group  
NAME OF COMPANY

by *Al Hansen*  
AUTHORIZED SIGNATURE

Al Hansen-Branch Manager  
Print Name & Title

11810 Sturgis Rd, Black Hawk, SD 57718  
Address

Date 4/9/13





# HAWKINS, INC.

## PRODUCT SPECIFICATIONS

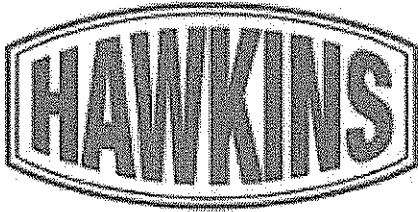
### SODIUM BISULFITE 38% Technical Grade

<u>COMPONENT</u>	<u>SPECIFICATION</u>
Specific Gravity @ 25°C	1.28 – 1.38
pH @ 25°C	3.5 – 4.5
Theoretical Freeze Point	50°F
Sulfate, wt.% as Na <sub>2</sub> SO <sub>4</sub>	2.0 – 5.0
Iron, ppm as Fe	20 max.

Conforms to NSF/ANSI Standard 60

10/06





# SAFETY DATA SHEET

Version 1

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

**Product Name:** Sodium Bisulfite 38% Solution  
**UN/ID No** UN-2693  
**Synonyms:** Sodium acid sulfite; Sulfurous acid, monosodium salt; Sodium hydrogen sulfite, solid  
**Formula:** NaHSO<sub>3</sub>  
**Molecular Weight:** 104.06

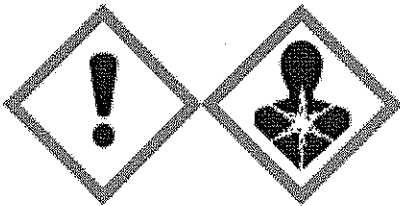
**Company Name:**  
Hawkins, Inc. 3100 E. Hennepin Avenue Minneapolis, MN 55413 (612-331-6910)

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

## 2. Hazards Identification

### GHS - Classification

Acute toxicity - Oral	Category 4
Hazard Statement - Acute dermal toxicity	Category 5
Acute toxicity - Inhalation (Dusts/Mists)	Category 5
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:**

- Harmful if swallowed
- May be harmful in contact with skin
- May be harmful if inhaled
- 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:**



## 14632 Sodium Bisulfite 38% Solution

- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P330 - Rinse mouth
- P332 + P313 - If skin irritation occurs: Get medical advice/attention
- P362 - Take off contaminated clothing and wash before reuse
- P285 - In case of inadequate ventilation wear respiratory protection
- P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P321 - Specific treatment (see supplemental first aid instructions on this label)
- P363 - Wash contaminated clothing before reuse
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
- P405 - Store locked up
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P314 - Get medical advice/attention if you feel unwell
- P501 - Dispose of contents/ container to an approved waste disposal plant
- P312 - Call a POISON CENTER or doctor if you feel unwell
- P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell

### 3. Composition / Information on Ingredients

#### Hazardous

Chemical Name	CAS No	Weight-%	EC No
Sodium bisulfite	7631-90-5	37-39	231-548-0

### 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 eye 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.
- 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. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.
- 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



# 14632 Sodium Bisulfite 38% 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:** Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

**Methods for Cleaning Up:** Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers.

**Other Information:** Not applicable.

## 7. Handling and Storage

**Advice on Safe Handling:** 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.

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible Materials:** Acids; Alkali; Oxidizing agents; Aluminum

## 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





## 14632 Sodium Bisulfite 38% Solution

### 9.1. Information on basic physical and chemical properties

Physical State:	Liquid	Odor:	Slight odor of sulfur dioxide
Appearance:	No information available	Odor Threshold:	No information available
Color:	Clear Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH:		No information available
"Salt Out" Point (°F):		No information available
Melting Point/Freezing Point:	4 °C / 40 °F	
Boiling Point/Boiling Range:		No information available
Flash Point:		No information available
Evaporation Rate (BuAc=1):		No information available
Flammability (solid, gas):		No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:		
Lower Flammability Limit:		
Vapor Pressure (mm Hg) :		No information available
Vapor density (Air =1)		No information available
Specific Gravity (H2O=1):	1.33	
Specific Gravity (2nd value):		
Water Solubility:	Soluble in water	
Solubility(ies):		No information available
Partition Coefficient (n-octanol/water)		No information available
Autoignition Temperature:		No information available
Decomposition Temperature:		No information available
Kinematic Viscosity:		No information available
Dynamic Viscosity:		No information available
Oxidizing Properties:	No information available	
Explosive Properties:	Not considered to be an explosion hazard	

### 9.2. Other information

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

## 10. Stability and Reactivity

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

## 11. Toxicological Information

### Product Information

Acute Toxicity:	0% of the mixture consists of ingredient(s) of unknown toxicity.
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## 14632 Sodium Bisulfite 38% Solution

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 )		

### 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:** Eyes, Respiratory system, Skin

## 12. Ecological Information

### Ecotoxicity

62% 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

### IATA

### DOT

Proper shipping name	BISULFITES, AQUEOUS SOLUTIONS, N.O.S. (SODIUM BISULFITE)
Hazard Class	8
UN/ID No	UN-2693
Packing Group	III
Description	UN2693, BISULFITES, AQUEOUS SOLUTIONS, N.O.S. (SODIUM BISULFITE), 8, PG III





TDG

MEX

**15. Regulatory Information**

International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States);, Canada (DSL/NDSL), 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.

AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
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

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	-	-



## 14632 Sodium Bisulfite 38% Solution

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### **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

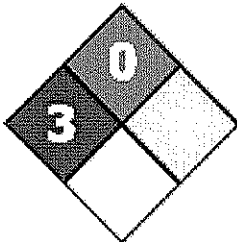
### **U.S. State Right-to-Know Regulations**

#### **California Proposition 65:**

This product does not contain any Proposition 65 chemicals

## **16. Other Information**

### **National Fire Protection Association (NFPA) Ratings**



**Prepared By:** Adam Peterson, Rob Kelley, Andrew Morabu and Todd Bain from the HSE department.

**Issue Date:** 04-Oct-2012

**Revision Date:** 04-Oct-2012

**Revision Note:** MSDS converted to GHS SDS Format.

#### **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

