

## SODIUM SULFITE Industrial Grade

Revision Date 04/02/2015

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

- Trade name SODIUM SULFITE Industrial Grade

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Uses of the Substance / Mixture**

- Manufacture of pulp, paper and paper products
- photographic chemical
- Water treatment
- Reducing agents
- Dyes
- Bleaching agents
  
- Food additive

**1.3 Details of the supplier of the safety data sheet****Company**

SOLVAY CHEMICALS, INC.  
3333 RICHMOND AVENUE  
77098-3099, HOUSTON  
USA  
Tel: +1-800-7658292; +1-713-5256800  
Fax: +1-713-5257804

**Distributed by:**  
**SAL Chemical**  
3036 Birch Drive,  
Weirton, WV 26062  
304.748.8200 - Phone  
304.797.8751 - Fax

**1.4 Emergency telephone**

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

**SECTION 2: Hazards identification**

Although OSHA has not adopted the environmental portion of the GHS regulations, this document may include information on environmental effects.

**2.1 Classification of the substance or mixture****HCS 2012 (29 CFR 1910.1200)**

Eye irritation, Category 2A

H319: Causes serious eye irritation.

**2.2 Label elements****HCS 2012 (29 CFR 1910.1200)****Pictogram****Signal Word**

- Warning

**Hazard Statements**

- H319 Causes serious eye irritation.

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**Precautionary Statements**Prevention

- P264 Wash skin thoroughly after handling.
- P280 Wear eye protection/ face protection.

Response

- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/ attention.

**2.3 Other hazards which do not result in classification**

- H402: Harmful to aquatic life.
- Harmful if swallowed.
- Irritating to eyes.
- Hazardous decomposition products formed under fire conditions.
- May cause sensitization by inhalation.

**SECTION 3: Composition/information on ingredients****3.1 Substance**

- Not applicable, this product is a mixture.

**3.2 Mixture****Hazardous Ingredients and Impurities**

- No ingredients are hazardous.

**SECTION 4: First aid measures****4.1 Description of first-aid measures****In case of inhalation**

- Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
- Oxygen or artificial respiration if needed.
- Remove to fresh air.

***Exposure to decomposition products***

- If inhaled
- Remove to fresh air.
- Immediate medical attention is required.

**In case of eye contact**

- Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- In the case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine).
- Immediate medical attention is required.

**In case of ingestion**

- If victim is unconscious:
- Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed****In case of inhalation**

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**Symptoms**

- Headache
- Breathing difficulties
- Cardiac irregularities
- loss of consciousness and cardiopulmonary arrest

**Effects**

- Mild respiratory irritant
- May cause severe allergic respiratory reaction.
- Breathing of dust may aggravate asthma or other pulmonary diseases.

**In case of eye contact****Effects**

- Moderate eye irritation

**4.3 Indication of any immediate medical attention and special treatment needed**

- no data available

**SECTION 5: Firefighting measures**

**Flash point** Not applicable

**Autoignition temperature** no data available

**Flammability / Explosive limit** no data available

**5.1 Extinguishing media****Suitable extinguishing media**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

- Water may be ineffective.

**5.2 Special hazards arising from the substance or mixture****Specific hazards during fire fighting**

- Not combustible.
- Contact with water liberates hazardous gas.
- Sulphur dioxide

**Hazardous combustion products:**

- Sulphur dioxide
- Sulfur oxides

**5.3 Advice for firefighters****Special protective equipment for fire-fighters**

- Wear self-contained breathing apparatus and protective suit.
- Use NIOSH approved respiratory protection.

**Further information**

- Approach from upwind.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

- Avoid dust formation.

**Advice for emergency responders**

- Keep away from water.

**6.2 Environmental precautions**

- The product should not be allowed to enter drains, water courses or the soil.
- In case of accidental release or spill, immediately notify the appropriate authorities if required by Federal, State/Provincial and local laws and regulations.
- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.

**6.3 Methods and materials for containment and cleaning up**

- Collect the product with suitable means.
- Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

- no data available

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Use only in well-ventilated areas.
- Avoid dust formation.
- Protect from moisture.
- Avoid prolonged or repeated contact with skin.

**Hygiene measures**

- Wash contaminated clothing before re-use.
- Eye wash bottle with pure water
- Use only in an area equipped with a safety shower.
- Handle in accordance with good industrial hygiene and safety practice.
- When using do not eat, drink or smoke.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures/Storage conditions**

- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- For personal protection see section 8.

**7.3 Specific end use(s)**

- Sulfite-sensitive individuals may experience a severe allergic reaction. This product in contact with heat, water, ice, acids, or oxidizing agents releases sulfur dioxide gas which may be harmful or deadly when inhaled. Do not use in a dry form in the holds of fishing boats or walk-in coolers.
- Contact your supplier for additional information

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**SECTION 8: Exposure controls/personal protection**

Introductory Remarks: These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

**8.1 Control parameters**

- Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Control measures****Engineering measures**

- Ensure adequate ventilation.
- Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

**Individual protection measures****Respiratory protection**

- When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- In the case of vapor formation use a respirator with an approved filter.
- Use NIOSH approved respiratory protection.
- In the case of dust or aerosol formation use respirator with an approved filter.

**Hand protection**

- Protective gloves

**Eye protection**

- Chemical resistant goggles must be worn.

**Skin and body protection**

- Preventive skin protection
- Wear suitable protective clothing.

**Hygiene measures**

- Wash contaminated clothing before re-use.
- Eye wash bottle with pure water
- Use only in an area equipped with a safety shower.
- Handle in accordance with good industrial hygiene and safety practice.
- When using do not eat, drink or smoke.

**SECTION 9: Physical and chemical properties**

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product information phone number in Section 1 for its exact specifications.

**9.1 Information on basic physical and chemical properties****Appearance**

Form: granular  
Physical state: solid  
Color: white  
white

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<b><u>Odor</u></b>	odorless
<b><u>Odor Threshold</u></b>	no data available
<b><u>pH</u></b>	9.6 - 9.8 ( 10 g/l)
<b><u>Boiling point/boiling range</u></b>	Not applicable
<b><u>Flash point</u></b>	Not applicable
<b><u>Evaporation rate (Butylacetate = 1)</u></b>	no data available
<b><u>Flammability (solid, gas)</u></b>	The product is not flammable.
<b><u>Flammability / Explosive limit</u></b>	<u>Explosiveness:</u> Not applicable
<b><u>Autoignition temperature</u></b>	no data available
<b><u>Vapor pressure</u></b>	no data available
<b><u>Vapor density</u></b>	no data available
<b><u>Density</u></b>	<u>Bulk density:</u> 1.5 - 1.6 kg/m <sup>3</sup>
<b><u>Solubility</u></b>	<u>Water solubility :</u> 250 g/l ( 68 °F (20 °C))
<b><u>Partition coefficient: n-octanol/water</u></b>	log Pow: -4 ( 77 °F (25 °C))
<b><u>Thermal decomposition</u></b>	>= 1112 °F (>= 600 °C)
<b><u>Viscosity</u></b>	no data available
<b><u>Explosive properties</u></b>	no data available
<b><u>Oxidizing properties</u></b>	Not considered as oxidizing., oxygen scavenger

**9.2 Other information**

**Molecular weight** 126.04 g/mol

**SECTION 10: Stability and reactivity****10.1 Reactivity**

- no data available

**10.2 Chemical stability**

- Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

P03000027932

Version : 1.03 / US ( Z8 )



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- no data available

**10.4 Conditions to avoid**

- Heat.
- Exposure to moisture.

**10.5 Incompatible materials**

- Water
- Acids
- Oxidizing agents

**10.6 Hazardous decomposition products**

- Sulphur dioxide
- Sulfur oxides

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

**Acute oral toxicity** LD50 : 820 mg/kg - Mouse  
LD50 : > 2,000 mg/kg - Rat

**Acute inhalation toxicity** no data available

**Acute dermal toxicity** no data available

**Acute toxicity (other routes of administration)** no data available

**Skin corrosion/irritation** Rabbit  
No skin irritation

**Serious eye damage/eye irritation** Rabbit  
Eye irritation

**Respiratory or skin sensitization** no data available

**Mutagenicity**

**Genotoxicity in vitro** In vitro tests showed mutagenic effects

**Genotoxicity in vivo** no data available

**Carcinogenicity** no data available

This product does not contain any ingredient designated as probable or suspected human carcinogens by:

NTP  
IARC

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OSHA  
ACGIH**Toxicity for reproduction and development****Toxicity to reproduction / fertility** no data available**Developmental Toxicity/Teratogenicity** no data available**STOT****STOT-single exposure** no data available**STOT-repeated exposure** no data available**Aspiration toxicity** no data available**Further information**Harmful if swallowed.  
Moderate eye irritation  
May cause sensitization of susceptible persons by inhalation of aerosol or dust.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic Compartment****Acute toxicity to fish** LC50 - 96 h : 100 mg/l - Carassius auratus (goldfish)**12.2 Persistence and degradability****Biodegradation****Biodegradability** Method: Biochemical Oxygen Demand (BOD)  
instantaneous reaction**12.3 Bioaccumulative potential****Bioconcentration factor (BCF)** Bioaccumulative potential**12.4 Mobility in soil** no data available**12.5 Results of PBT and vPvB assessment** no data available**12.6 Other adverse effects** no data available**Remarks**

oxygen scavenger, Ecological injuries are not known or expected under normal use.



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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product Disposal**

- Respect local/federal and national regulations for:
- Hazardous waste
- Contact waste disposal services.

**Advice on cleaning and disposal of packaging**

- To avoid treatments, as far as possible, use dedicated containers.
- Containers that cannot be cleaned must be treated as waste.
- In accordance with local and national regulations.

**SECTION 14: Transport information****DOT**

not regulated

**TDG**

not regulated

**NOM**

no data available

**IMDG**

not regulated

**IATA**

not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transportation regulations for hazardous materials, it would be advisable to check their validity with your sales office.

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**SECTION 15: Regulatory information****15.1 Notification status**

Inventory Information	Status
United States TSCA Inventory	Listed on Inventory
New Zealand. Inventory of Chemical Substances	In compliance with the inventory
Canadian Domestic Substances List (DSL)	Listed on Inventory
Australia Inventory of Chemical Substances (AICS)	Listed on Inventory
Japan. CSCL - Inventory of Existing and New Chemical Substances	Listed on Inventory
Korea. Korean Existing Chemicals Inventory (KECI)	Listed on Inventory
China. Inventory of Existing Chemical Substances in China (IECSC)	Listed on Inventory
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed on Inventory

**15.2 Federal Regulations****US. EPA EPCRA SARA Title III****SARA HAZARD DESIGNATION SECTIONS 311/312 (40 CFR 370)**

Fire Hazard	no
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	yes
Chronic Health Hazard	yes

**Section 313 Toxic Chemicals (40 CFR 372.65)**

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.

**Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)**

This material does not contain any components with a SARA 302 RQ.

**Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)**

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

**US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)**

This material does not contain any components with a CERCLA RQ.

**15.3 State Regulations****US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)**

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

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**SECTION 16: Other information****NFPA (National Fire Protection Association) - Classification**

Health	2 moderate
Flammability	0 minimal
Instability or Reactivity	1 slight
Special Notices	None

**HMIS (Hazardous Materials Identification System (Paint & Coating)) - Classification**

Health	2 moderate
Flammability	0 minimal
Reactivity	1 slight
PPE	Determined by User; dependent on local conditions

**Further information**

- Product evaluated under the US GHS format.

**Date Prepared: 04/02/2015**

- ACGIH American Conference of Governmental Industrial Hygienists
- OSHA Occupational Safety and Health Administration
- NTP National Toxicology Program
- IARC International Agency for Research on Cancer
- NIOSH National Institute for Occupational Safety and Health

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. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.