

**SODIUM FORMALDEHYDE BISULPHITE**

**SECTION-1 PRODUCT AND COMPANY IDENTIFICATION**

Product Name : SODIUM FORMALDEHYDE BISULPHITE  
Chemical Formula : CH<sub>2</sub> (OH) SO<sub>3</sub>Na  
Chemical Synonyms/  
Common name : Formaldehyde sodium bisulphite  
Chemical Family : Methansulfonic acid, hydroxy-,sodium salt  
CAS : 870-72-4  
Manufacturer

Telephone  
Emergency Number



For chemical emergencies call Chemtrec: 1-800-424-9300, International: 1-703-527-3887

**SECTION-2 COMPOSITION, INFORMATION ON INGREDIENTS**

2.1 CHEMICAL NAME	% by weight	Toxicity Data
sodium hydroxy methane sulfonate	100	No information available.

**SECTION-3 HAZARDS IDENTIFICATION**

**GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910**

GHS Label Elements  
NONE

**Signal Word: None**

**Hazard statements:**

H303: May be harmful if swallowed.  
H333: May be harmful if inhaled.

H316: Causes mild skin irritation.

H320: Causes eye irritation.

**Precautionary statements:**

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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+313: If eye irritation persists get medical advice/attention.

**EMERGENCY OVERVIEW**

Caution! Sodium Formaldehyde Bisulfite or Sodium Hydroxymethane Sulfonate may cause eye, skin, and respiratory tract irritation. Hygroscopic (absorbs moisture from the air). The toxicological properties of this material have not been fully investigated.

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Target Organs: None known.

**Potential Health Effects**

Eye: Sodium Formaldehyde Bisulfite or Sodium Hydroxymethanesulfonate may cause eye irritation.

Skin: May cause skin irritation. May be harmful if absorbed through the skin.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

<b>SECTION-4</b>	<b>FIRST AID MEASURES</b>
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EYES : IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue.

IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

SKIN : Wash thoroughly with soap and water. Wash clothing before reuse.

IF IRRITATION OCCURS, GET MEDICAL ATTENTION.

INGESTION : Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth to - mouth resuscitation.

GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION : May irritate gastrointestinal tract. Very large doses cause violent colic, diarrhea, depression and death. May cause severe allergic reaction in some asthmatics and sulfite sensitive individuals. If conscious, give plenty of water or milk. Induce vomiting by touching finger to back of throat.

GET IMMEDIATE MEDICAL ATTENTION.

<b>SECTION-5</b>	<b>FIRST FIGHTING MEASURES</b>
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Flash Point : Non-Flammable.

Method : Not Applicable.

Auto-Ignition : Not Applicable.

**FLAMMABLE LIMITS IN AIR, BY % VOLUME:**

Upper	: Non-Flammable
Lower	: Non-Flammable.
Extinguishing Media	: Use agents appropriate for surrounding fire.
Fire Fighting Procedures	: Wear positive pressure self-contained breathing apparatus and full protective clothing.
Fire And Explosion Hazard	: This product is non-flammable and non-explosive under normal conditions of use. At high temperatures this product can decompose to give off toxic fumes.
Sensitivity to Mechanical Impact	: Not sensitive
Sensitivity to Static Discharge	: Not sensitive

**SECTION-6 ACCIDENTAL RELEASE MEASURES****Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**SECTION-7 HANDLING AND STORAGE****Precautions:**

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

**SECTION 8 PROTECTION MEASURES**

Hygiene measures	: When using do not eat, drink or smoke. Follow good housekeeping practices.
Skin and body	: Wear suitable protective clothing.
Hands	: Wear suitable gloves.
Eye	: Safety glasses. Wear splash goggles when mists or aerosols are anticipated.
ENGINEERING CONTROLS	: Use adequate exhaust ventilation to prevent inhalation of product vapors. Maintain eyewash/safety shower in areas where product is handled.

**SECTION-9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Powder Solid
<b>Appearance</b>	White
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH</b>	7-8 100 g/L aq.sol
<b>Melting Point/Range</b>	200 °C / 392 °F
<b>Boiling Point/Range</b>	No information available
<b>Flash Point</b>	184 °C / 363.2 °F
<b>Evaporation Rate</b>	No information available
<b>Flammability (solid,gas)</b>	No information available

**Flammability or explosive limits**

Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	500 °C / 932 °F
Decomposition Temperature	200 °C
Viscosity	No information available
Molecular Formula	C H3 Na O4 S
Molecular Weight	134.08

**SECTION-10 STABILITY AND REACTIVITY**

<b>Reactive Hazard</b>	None known, based on information available
<b>Stability</b>	Hygroscopic.
<b>Conditions to Avoid</b>	Avoid dust formation. Incompatible products. Exposure to moist air or water.
<b>Incompatible Materials</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO), Carbon dioxide (CO2), Sulfur oxides
<b>Hazardous Polymerization</b>	No information available.
<b>Hazardous Reactions</b>	None under normal processing.

**SECTION-11 TOXICOLOGICAL INFORMATION**

<b>Routes of Entry</b>	:	Inhalation. Ingestion.
<b>Toxicity to Animals</b>	:	Acute oral toxicity (LD50): 3200 mg/kg [Rat].
<b>Chronic Effects on Humans</b>	:	Not available.
<b>Other Toxic Effects on Humans</b>	:	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
<b>Special Remarks on Toxicity to Animals</b>	:	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	:	Not available.
<b>Special Remarks on other Toxic Effects on Humans</b>	:	
Skin: May cause skin irritation.		
Eyes: May cause eye irritation.		
Inhalation: May cause respiratory tract irritation.		
Ingestion: May cause irritation of the stomach by liberating sulfurous acid.		

<b>Section 12:</b>	<b>ECOLOGICAL INFORMATION</b>
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No ecological information is known on the product.

<b>Section 13:</b>	<b>DISPOSAL CONSIDERATIONS</b>
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Methods of disposal : Use procedures in accordance with Local, State and Federal regulations where applicable.

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

<b>SECTION-14</b>	<b>TRANSPORT INFORMATION</b>
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**DOT Classification** : Not a DOT controlled material.  
**Identification** : Not applicable.  
**Special Provisions for Transport:** Not applicable

**DOT** Not regulated  
**TDG** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

<b>Section 15:</b>	<b>REGULATORY INFORMATION</b>
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Not dangerous for supply.

<b>SECTION 16:</b>	<b>SUPPLIER INFORMATION</b>
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One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system.

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The information offered is for the user's consideration and examination, and it is the user's responsibility to satisfy him self that it is suitable and complete for his particular use.

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