

## **Syntron Industries Pvt.Ltd.**

### **Material Safety Data Sheet**

Version No.- 01

Revision Date: 01 July 2022

#### **SECTION 1: Identification of the substance/mixture and the company/undertaking**

##### **1.1 Product identifier**

Trade Name: **CHEMTRON-BSAS**  
**Benzaldehyde – 2 -Sulfonic acid Sodium Salt)**



Product Code: **CMT - 1002**  
Synonyms: 2-Sulfobenzaldehyde sodium salt, Benzaldehyde-2-sulfonic acid sodium salt, Sodium 2-formyl-benzolsulfonate.  
CAS No.: 1008-72-6

##### **1.2 Relevant identified uses of the substance or mixture and uses advised against.**

###### **Uses of the substance**

»CHEMTRON –BSAS uses and application is Synthesis, Organic Synthesis, Chemical Synthesis, Intermediate Synthesis, Pharmaceutical Synthesis, Dyes Intermediate Synthesis, synthesis of dyes.

»Restrictions on use: No information available

###### **Remarks**

»Risk assessments should be conducted prior to handling this product/material.

##### **1.3 Details of the supplier of the safety data sheet.**

###### **Company**

Syntron Industries Pvt. Ltd.  
411/5, Phase II , G.I.D.C. Vatva,  
Ahemdabad – 382445 GUJARAT. INDIA  
Tel. : + 91 79258 33039

###### **E-mail address**

Surfactants@syntronindustries.com

##### **1.4 Emergency telephone number**

India Tel. No.: + 91 79258 33039

###### **Disclaimer**

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

### 2.2 Label elements

Pictograms or hazard symbols



Signal word

Warning

Hazard statements

H315-Causes skin irritation.

H319-Causes serious eye irritation.

Precautionary statements

P264-Wash hands and face thoroughly after handling.

P280-Wear protective gloves, eye protection.

P302+P352+P332+P313+P362+P364-IF ON SKIN:

Wash with plenty of water. If skin irritation occurs:

Get medical advice or attention. Take off

contaminated clothing and wash it before reuse.

P305+P351+P338+P337+P313-IF IN EYES: Rinse

cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue

rinsing. If eye irritation persists: Get medical advice

or attention.

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

Not applicable

vPvB:

Not applicable

## SECTION 3: Composition /information on ingredients

Chemical Name	CAS No.	Concentration on (%)
Benzaldehyde - 2 -Sulfonic acid Sodium Salt	1008-72-6	95 %

## SECTION 4: First aid measure

### 4.1 Description of first aid measures

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin contact:** Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion:** Get medical advice/attention if you feel unwell. Rinse mouth.
- Protection of first-aiders:** A rescuer should wear personal protective equipment, such as rubber Gloves and air-tight goggles.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available

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

No data available

## SECTION 5: Firefighting measure

### 5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

5.2 Special hazards arising from the substance or mixture Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume. Carbon dioxide, Carbon monoxide, Sulfur oxides

5.3 Advice for firefighters Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment.

## SECTION 6: Accidental release measure

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Keep people away from and be upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc

**Environmental precautions:** Prevent product from entering drains.

**Methods and materials for** Sweep dust to collect it into an airtight container, taking be

**containment and cleaning up:** care not to disperse it. Adhered or collected material should promptly disposed of, in accordance with appropriate laws and regulations.

## SECTION 7: Handling and storage

**Precautions for safe handling:** Handling is performed in a well-ventilated place. Wear suitable protective equipment. Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities** Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Protect from moisture. Store away from incompatible materials such as oxidizing agents. Hygroscopic.

**Packaging material:** Comply with laws.

## SECTION 8: Exposure controls / personal protection

**Appropriate engineering controls:** Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

### Personal protective equipment

**Respiratory protection:** Dust respirator. Follow local and national regulations.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. A face-shield, if the situation requires.

**Skin and body protection:** Protective clothing. Protective boots, if the situation requires.

## SECTION 9: Physical and chemical properties

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

Appearance	Crystal Powder.
Colour	White
Odour	Pungent.
Odour threshold	No data available.
Ph1.0 % aq. Soln.	No data available
Melting point	175 °C.
Boiling point	Decomposes
Flash point	No data available

Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapour pressure	No data available.
Vapour density	No data available.
Bulk Density	No data available
Solubility in water 10 % Soln.	Clear Solution
Partition coefficient	No data available.
Auto-ignition temperature	No data available
Decomposition Temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidising properties	No data available.
Solid Content	95 %
Sensitive	Hygroscopic
Sodium Chloride	5.0 % Max.
Water	5.0 % Max

## 9.2. Other information

Molecular weight	208.17.
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### SECTION 10: Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous Reactions.</b>	No dangerous reaction known under conditions of normal use
<b>Conditions to avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition</b>	No hazardous decomposition products are known.
<b>Products</b>	

### SECTION 11: Toxicological information

#### Acute Toxicity

#### Product Information Component

#### Benzaldehyde – 2 -Sulfonic acid Sodium Salt

LD50 Oral - Rat –Not available

LC50 Inhalation –Not available

**Toxicologically Synergistic Products** No information available

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

**Irritation** Irritating to eyes, respiratory system and skin

<b>Sensitization</b>	No information available
<b>Carcinogenicity</b>	No data available.
<b>Mutagenic Effects</b>	No information available
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>STOT - single exposure</b>	No data available
<b>STOT - repeated exposure</b>	None known
<b>Aspiration hazard</b>	No information available
<b>Symptoms / effects,both acute and delayed</b>	No information available
<b>Endocrine Disruptor Information</b>	No information available
<b>Other Adverse Effects</b>	The toxicological properties have not been fully investigated.

## SECTION 12: Ecological information

### Ecotoxicity

No data available

### Component

#### Benzaldehyde – 2 -Sulfonic acid Sodium Salt

**Persistence and Degradability** Persistence is unlikely

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its water solubility.

#### Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Endocrine disrupting properties** No data available

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal consideration

### 13.1 Waste Disposal methods

#### Product Disposal

##### Prohibition

Do not discharge directly into the environment.

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

## SECTION 14: Transport information

### General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

#### 14.6. Special precautions for user

Not applicable

## SECTION 15: Regulatory information

### National Regulations --

No additional information available

### Chemical safety assessment --

No additional information available

## SECTION 16: Other information

### Key or legend to abbreviations and acronyms used in the safety data sheet

IATA: International Air Transport Association.

IMDG : International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

LD 50: Substance that causes 50% (half) death in the test animals group (Median Fatal Dose).

LC 50: Substance concentration causing 50% (half) death in the test animals group.

EC 50: Effective Concentration of the substance causing the maximum of 50% .

GHS: Globally Harmonized System of Classification and labelling of chemical

**Packing :-**

1. Powder: Available in 20 KgHDPE BAG

**MSDS PREPARED BY:** **Syntron Industries Pvt.Ltd.**

**REASON FOR REVISION:** **Not applicable**

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**PREPARED BY:**Syntron Industries Pvt. Ltd.