

# SAFETY DATA SHEET

Revision Date 17.05.2021  
Version 5.2

according to Regulation (EC) No. 1907/2006

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

### 1.1 Product identifiers

Trade name : ShieldBiso™ SX  
3,3'-(1,4-phenylenedimethylene)bis(7,7-dimethyl-2-oxobicyclo-[2.2.1]hept-1-yl-methanesulfonic Acid) And  
INCI name : Its Salts  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.  
CAS-No. : 92761-26-7

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

Identified uses : Manufacture of substances

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

Company : Bisor Corporation  
5358, Huyi Road,  
Shanghai, 201806, P.R.  
CHINA

Telephone : +86 21 6183 4121  
Fax : +86 21 5186 1853

**1.4 Email** info@bisorcure.com

**1.5 Web** www.bisorcure.com

## SECTION 2: Hazards identification

### 2.1 Overall Hazard Classification

Burning.

### 2.2 Hazard Information

Not hazardous.

### 2.3 Route of Exposure

Human body Contact and Accidental Ingestion.

## 2.4 Possible Health Effects

Not hazardous.

Acute

Eyes: May cause eye injury which may persist for several days

Skin: No significant irritation expected from a single exposure.

Inhalation: Some individuals may develop a respiratory allergenic response.

Ingestion: Practically non-toxic. Chronic

Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens. Raw cassia contains natural proteins that can cause allergic reactions such as asthma and rhinitis. Derived cassia, such as this product, contains far less protein and therefore has a much lower risk of sensitization.

Inhalation: Inhaling long will injure breath system.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

## 2.5 Signs and Symptoms of Overexposure

No significant adverse effects from a single exposure expected from normal use.

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Chemical	
characterization	: Compound
Physical Form	: Powder
Color	: Light yellow
	: Manufacture of
Use	substances
Ingredients	

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## SECTION 4: First aid measures

### 4.1 Eyes

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.

Wash off with soap and plenty of water.

### 4.2 Skin

The Wash skin with water.

#### **4.3 Inhalation**

Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

#### **4.4 Ingestion**

Dry powder may result swelling in the throat, possibly causing blockage of the throat and choking. If the victim is conscious and alert, give 1-2 glasses of water to drink to prevent esophageal obstruction. Do not give anything by mouth to an unconscious person. Seek medical attention.

#### **4.5 Comments**

Treat according to person's condition and specifics of exposure.

#### **4.6 Note to physicians**

Treat symptomatically.

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### **SECTION 5: Firefighting measures**

#### **5.1 Autoignition**

Not available.

#### **5.2 Flash point**

Not available.

#### **5.3 Extinguishing Media**

CO2; Dry Chemical; Foam; Water Fog

#### **5.4 Special Fire Fighting Procedures**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

#### **5.5 Fire & Explosion Hazards**

Product is a finely divided combustible powder and as such constitutes a potential fire hazard. Keep workplace dust levels.

#### **5.6 Hazardous Combustion Product**

Carbon monoxide, carbon dioxide, nitric dioxide, formaldehyde.

#### **5.7 Lower Explosion Limit**

Not applicable.

#### **5.8 Upper Explosion Limit**

Not applicable.

#### **5.9 Flammability Hazard Class**

1=Slight.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal Precaution**

Avoid eye contact. Do not take internally.

### **6.2 Environmental Precautions**

Not applicable.

### **6.3 Spill and Leak Procedures**

Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

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## **SECTION 7: Handling and storage**

### **7.1 Handling**

This product may present a dust explosion hazard. It is recommended that all dust control equipment and material transport system involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment. In electrically bonded and grounded. This powder should not be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment.

### **7.2 Storage Conditions**

Keep in cool, dry, ventilated and lightless place at  $\leq 40^{\circ}\text{C}$ .

### **7.3 Unsuitable Packaging Materials**

None established.

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

### **8.1 Industrial Hygiene Standards**

Ingredients

CAS No.

Exposure Limits

None known.

### **8.2 Engineering Controls**

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure controls techniques may be used to effectively minimize employee exposures wet processing methods to reduce dust generation

### 8.3 Personal Protective

#### Respiratory protection

When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentration and in accordance with the appropriate regulatory standards and /or industrial recommendations.

#### Eye protection

Wear safety glasses with side shields. Protect against dust and particulates.

#### Hand protection

The use of gloves is recommended.

#### Clothing Requirements

Uniforms, coveralls, or a lab coat should be worn.

#### Change/Removal Of Clothing

Remove contaminated clothing and launder before reuse.

#### Wash Requirements

Wash exposed areas with soap and water.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |                         |                      |
|-------------------------|----------------------|
| a) Physical Form        | Light yellow powder  |
| b) Odour                | Negligible           |
| c) pH(1%,soln.)         | 9.0-11.0             |
| d) Solubility in water  | Soluble in hot water |
| e) Oxidizing properties | Not applicable       |
| Pile up specific        |                      |
| f) gravity              | Not applicable       |
| Loss on Drying          |                      |
| g) (105°C/2h)           | ≤5%                  |

The above information is not intended for use in preparing product specifications. Contact Tinci before writing specifications.

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## SECTION 10: Stability and reactivity

### 10.1 Stability

Stable.

## **10.2 Stability Detail**

Conditions to be avoided: dusting conditions, extreme heats, open flames, sparks.

Materials/Chemicals to be avoided: strong oxidizing agents

## **10.3 Reactivity Hazard Class**

0 = Stable.

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## **SECTION 11: Toxicological information**

### **11.1 Possible Health Effects**

Refer to Section 3.4

### **11.2 Carcinogenic Effects**

None.

### **11.3 Other Health Hazard Information**

None known applicable information.

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## **SECTION 12: Ecological information**

### **12.1 Potential To Bio-accumulate**

Unknown.

### **12.2 Aquatic Toxicity**

None Established.

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## **SECTION 13: Disposal considerations**

### **13.1 Product Disposal**

Dispose of in accordance with local regulations.

### **13.2 Packaging Disposal**

Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

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## **SECTION 14: Transport information**

### **14.1 Road and Rail Transport**

Not assessed.

### **14.2 Sea Transport (IMDG)**

Not subject to IMDG code.

### **14.3 Air Transport (ICAO)**

Not subject to ICAO regulations.

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## **SECTION 15: Regulatory information**

### **15.1 Applicable Laws**

Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

### **15.2 Chemical Inventories**

AICS: All ingredients listed or exempt.

DSL: All chemical substances in this material are included on or exempted from the DSL.

IECSC: All ingredients listed or exempt.

MITI: All components are listed on ENCS or its exempt rule.

KECL: All ingredients listed, exempt or notified.

EINECS: All ingredients listed or exempt.

PICCS: All ingredients listed or exempt.

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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## **SECTION 16: Other information**

### **Further information**

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Bisor Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.bisorcare.com](http://www.bisorcare.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.