

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 : BZn™ ST

INCI name : Zinc Oxide ; Silica ; Triethoxycaprylylsilane

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. : 1314-13-2 ; 7631-86-9 ; 2943-75-1

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

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SECTION 2: Composition Information

Components Name	CAS Number	Weight Percent(%)
Zinc oxide	1314-13-2	85.0-90.0
Silica	7631-86-9	8.0-10.0
Triethoxycaprylylsilane	2943-75-1	2.0-5.0

SECTION 3: Overview of Hazards

Hazard category: Skin corrosion/irritation Category 2

Severe eye injury/eye irritation Category 1

Chronic hazards to the water environment Category 3

Hazard statement: Swallow can injure to the digestive tract; Corrode the skin; stimulate the eyes.

Precautions: Do not eat, drink, or smoke when using this product.

Clean hands thoroughly after operation.

Eye contact: Extract the eyelids and rinse with flowing water for 5-10 minutes.

Skin contact: Rinse with plenty of flowing water.

Ingestion: Rinse mouth, do not induce vomiting, seek medical advice.

Explosion hazard: None

Health hazards: Ingestion: Injure to the digestive tract, mucosal will erode and bleed.

Skin: Prolonged skin contact can cause degreasing and peeling

Eyes: Liquids can be irritating to the eyes and can cause burns and inflammation.

Environmental impact: It can cause pollution to water, pay attention to the impact on plants and aquatic organisms specially.

SECTION 4: First Aid Measures

After inhalation: Supply fresh air; If breathing is difficult, give oxygen, consult doctor in case of complaints.

After skin contact: Take off contaminated clothing, immediately wash with flowing water to rinse thoroughly at least 15 minutes.

After eye contact: Immediately flush eyes with plenty of flowing water a few minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

After swallowing: Gargle with water, and to drink enough or milk. If symptoms persist consult doctor. After first aid, get appropriate in-plant , paramedic, or community medical support.

SECTION 5: Fire fighting measures

Protective equipment: wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion gases.

Extinguishing Media: CO₂, sand, extinguishing powder, water.

Auto ignition Temperature: Not Determined.

Harmful combustion products: carbon monoxide, carbon dioxide, and other unknown toxic gas smoke.

Fire and explosion hazards: The product is non combustible and usually does not pose a risk of combustion and explosion.

SECTION 6: Accidental release measures

Protective measures, equipment, and emergency response procedures for operators:

Person-related safety precautions: Wear protective equipment. Do not contact with leaks directly.

Measures for environmental protection:

Collect leaked materials to avoid polluting the environment, Do not allow to enter sewers/surface or ground water.

Measures for cleaning/collecting:

Small leak: Rinse with a large amount of water, dilute and neutralize before discharging into the wastewater system.

Much leak: Build embankments or dig pits for collection; Transfer to a dedicated collector using a pump, transport to a waste disposal site for disposal.

SECTION 7 : Handling and storage**Information for safe handling :**

Pneumatic material handling and processing equipment may generate dust of sufficiently small particle size that, when, when suspended in air, may be explosive. Dust accumulations should be controlled through a comprehensive dust control program that includes, but is not limited to, source capture, inspection and repair of leaking equipment, routine housekeeping and employee training in hazards.

Storage : Stored in a cool, ventilated warehouse. Away from fire, heat source. Keep container sealed. With oxidants, bases, reactive metal powders are kept separately and avoid mixing reservoir. Corresponding with the number of species and fire equipment. Storage area should be equipped to deal with spill response equipment and materials suitable host.

SECTION 8: Exposure controls/personal protection

Ventilation and Engineering controls: No special ventilation and engineering controls are required, handling of these products need keep good ventilation.

Respiratory Protection : Wear a dust mask or mask to avoid inhalation hazards. When rescuing or evacuating in an emergency, an air respirator should be worn.

Body Protection : Special protective clothing is required.

Protective Gloves: Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

Eye Protection: Chemical goggles or face shield .

SECTION 9: Physical and chemical properties

General Information

Form: Powder

Color: White

Odor: Odorless

Change in condition

Melting point/Melting range: >1500°C

Boiling point/Boiling range: Not available

Flash point: Not available

Self-igniting : Not available

Danger of explosion: Not available

Density :

Relative density : 5.6 (water=1)

Vapor density : Not available

Evaporation rate: Not available

Solubility in/Miscibility with:

Water : Insoluble

PH-Value: /

Viscosity :

Dynamic: Not available

SECTION 10: Stability and reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Chemistry reflect: strong oxidant and reductant, will have strong reaction with magnesium.

Hazardous Decomposition Products: The following combustion products may be generated: carbon dioxide, carbon monoxide and other toxic gases.

Hazardous Polymerizations: Hazardous polymerization will not occur.

SECTION 11: Toxicological information

Subacute and chronic toxicity: no data available .

Other toxic effects on the human body: None.

Skin: Mild irritation.

Eye : Eye irritation.

Carcinogenicity: Undetermined.

Mutagenicity: Undetermined.

Teratogenicity: Undetermined.

SECTION 12: Ecological information

Ecological toxicity: This substance may be harmful to the environment and should be given special attention to water bodies, soil, aquatic organisms, and plants.

Persistence and degradability: No data available

Potential Bioaccumulation: no data available

Mobility in soil: no data available

SECTION 13: Disposal considerations

Product: Must be disposed of in accordance with applicable Federal, state and local regulations. Do not dispose of this product by directly discharging it into the sewer.

Contaminated packaging: Do not reuse the packaging of this product.

SECTION 14 :Transport information

Product shipping name: BZn™ ST

UN ID: No information available.

Packaging group: III

Packaging category: Z01

Marine pollutants: not applicable

Special regulations for transportation: not applicable

Packaging method: not specified.

Transportation precautions: Before transportation, the packaging should be checked for completeness and the loading should be stable. During transportation, it is necessary to ensure that the container does not leak, collapse, fall, or be damaged. It is strictly prohibited to mix and transport with oxidants. During transportation, it is necessary to prevent exposure to sunlight, rain, and high temperatures. During transportation, transportation vehicles should be equipped with corresponding fire-fighting equipment and leakage emergency response equipment. The vehicle transporting this product follows the predetermined transportation route.

SECTION 15: Regulatory information

Sara's requirement: This product is not applicable, and there are no special requirements for the pure substances in this product. However, the waste after use needs to be treated appropriately.

TSCA (Toxic Substances Control Committee): This product is not included in the hazardous and toxic substance control category.

California Act 65: There are no special regulations for this product.

EU ROHs Directive: Products are not included in the regulated scope.

US FDA requirements: When products are used as cosmetics or cosmetic ingredients to enter the US market, FDA registration and relevant standard testing are required.

Information on usage restrictions: It is necessary to comply with the regulations on employment restrictions for minors, and only use by qualified technical personnel.

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 and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.