

# SAFETY DATA SHEET

Revision Date 25.11.2021  
Version 6.3

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## SECTION 1: Chemical Product and Company Identification

Trade name : ShieldBiso™ M

INCI name : **MethyleneBis-Benzotriazolyl  
Tetramethylbutylphenol(and)Water(and)Decyl  
Glucoside (and)PropyleneGlycol (and) XanthanGum**

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## SECTION 2: Hazards identification

**Classification:** None

**Label element**

**Symbol:** None

**Signal word:** None

**Hazard statement:**

May cause long-term adverse effects in the aquatic environment.

**Precautionary statemnts:**

Avoid release to the environment. Refer to special instructions/Safety data sheets.

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**SECTION 3: Composition and Information on ingredients**

INCI Name	CAS	EC	Content	Classification
Methylene bis-benzotriazolyl Tetramethylbutylphenol	103597-45-1	403-800-1	50.0%	H413, May cause long lasting harmful effects to aquatic life.
Decyl Glucoside	54549-25-6	259-218-1	7.50%	H304, May be fatal if swallowed and enters airways. H413, May cause long lasting harmful effects to effects to aquatic life. H318, Causes serious eye damage.
Propylene Glycol	57-55-6	200-338-0	0.4%	Not classified.
Xanthan Gum	11138-66-2	234-394-2	0.2%	Not classified.
Water	7732-18-5	7732-18-5	41.90%	Not classified

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**SECTION 4: First aid measures****General advice:**

Move victim from the contaminated workplace to ventilated place. Call the hospital for medical assistance, and provide emergency treatment.

**Inhaled:**

Remove victim to fresh air. If case of irritation of respiratory system or mucous membranes, in case of indisposition or prolonged exposure, seek medical attention.

**Skin contact:**

Remove contaminated clothing and shoes. Wash with soap and water.

**Contact with eyes:**

Immediately flush eyes with water for at least 15 minutes. In case of eye irritation, seek medical attention.

**Ingestion:**

Immediately induce vomiting. Never give fluids or induce vomiting, if the victim is unconscious or having convulsions. Get immediately medical attention.

**Note to physician:**

None.

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**SECTION 5: Fire fighting measures****General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH(approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Suitable extinguishing media:**

Water fog, Foam Dry chemical powder.

**Unsuitable extinguishing media for safety reasons:**

High-pressure water jet.

**The following can be given off in a fire:**

The CO, CO<sub>2</sub>, NO<sub>x</sub> can be given off.

**Special protective equipment:**

Good firefighting practice dictates the use of self-contained breathing apparatus and turnout gear.

**Further information:**

Contaminated extinguishing water must be disposed of in accordance with local regulations.

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**SECTION 6: Accidental release measures****Personal precautions:**

1. Removal of ignition sources.
2. Provision for sufficient ventilation

3. Respiratory protection.
4. Prevention of skin and eye contact.

**Further information:** Environmental precautions:

1. Keep away from drains, surface and groundwater and soil.
2. To alert the neighborhood.

**Methods for cleaning up:**

Take up mechanically and place in suitable, close container for disposal, avoiding formation of dust.

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

**Handling:**

Use safety glasses and gloves, and coveralls as necessary when using it, to prevent skin contact.

**Storage:**

The substances in our product are very stable, please put it in the ventilated place. Keep away from food and drink.

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

**Additional information on the lay-out of technical plant** (see section 7)

**Personal protective equipment**

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory protective equipment.

**Hand protection:** Protective gloves.

**Eye protection:** Goggles.

**Body protection:** Closed working clothing as necessary to prevent skin contact.

**General safety and hygiene measures:**

The usual precautions for the handling of chemicals must be observed.

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## SECTION 9: Physical and Chemical Properties

Physical Form: Liquid Colour: White

Odour: Trace charac odour

Melting: 100°C. Boiling point/boiling range N.A. Flash Point: -°C

Explosion hazard: (see section 10)

Bulk density: N.A. kg/m<sup>3</sup>

Ignition temperature: -°C

Vapor pressure: No data at 20°C

Density: 1.00

Relative Density: N.A. kg/m<sup>3</sup>

Solubility in water: Insoluble

pH value: 10.5-12.0

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## SECTION 10: Stability and reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to avoid:** Heat, static discharge

**Substances to avoid:** Strong acid, strong bases and strong oxidizing agents, Moisture.

**Hazardous reactions:** No.

**Hazardous decomposition products:** If involved in a fire, CO, CO<sub>2</sub>, NO<sub>x</sub>, maybe liberated.

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## SECTION 11: Toxicological information

**Acute toxicity**

**LD50/oral/rat:** >5000 mg/kg

**Skin irritation (tested on rabbits):** Non-irritation

**Eye irritation (tested on rabbits):** Non-irritation  
**Acute skin sensitization:** Non-sensitization  
**(tested on Guinea pig)**

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## **SECTION 12: Ecological information**

### **Toxicity to fish:**

**LC50 Fish :** >12.7 ppm/1hr

**EC50 Daphnia:** >50.2 ppm

**IC50 Bacteria:** >100 ppm/3h

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## **SECTION 13: Disposal considerations**

### **Product:**

Incinerate or bury in a licensed facility .Do not discharge into waterways or sewer systems without proper authority.

### **Contaminated packaging:**

Dispose it in a licensed facility. Recommend crushing or other means to prevent non-authorized reuse.

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## **SECTION 14: Transport Information**

**ADR/RID:** Class : Free

**IMO:** Class : Free.

**ICAO:** Class : Free

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## **SECTION 15: Regulatory information**

### **U.S. REGULATIONS:**

TSCA INVENTORY STATUS: Not Listed

TSCA 12(b) EXPORT NOTIFICATION: Not listed

CERCLA SECTION 103 (40CFR302.4): Not Reportable SARA

SECTION 302 (40CFR355.30): Not Reportable

SARA SECTION 304 (40CFR355.40): Not Reportable

SARA SECTIONS 311/312 (40CFR370.21): Not Reportable

SARA SECTION 313 (40CFR372.65): Not Reportable

OSHA PROCESS SAFETY (29CFR1910.119): Not Reportable

STATE REGULATIONS:

California Proposition 65: Not Reportable

**EUROPEAN REGULATIONS:**

EC NUMBER: Listed

EC Risk and safety phrases:

R53 May cause long-term adverse effects in the aquatic environment.

S61 Avoid release to the environment. Refer to special instructions/Safety data sheet

**AUSTRALIA REGULATIONS:**

Listed on the Australian Inventory of Chemical Substances (AICS)

**CANADA REGULATIONS:**

Listed on the Canadian Domestic Substances List (DSL)

**CHINA REGULATIONS:**

Listed on the IECSC

**JAPAN REGULATIONS:**

Listed on the Japanese Existing and New Chemical Substances (ENCS)

**KOREA REGULATIONS:**

Listed on the Korean Existing Chemicals List (ECL)

**PHILIPPINES REGULATIONS:**

Listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS)

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**SECTION 16: Other information**

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any guarantee with regard to the product's properties.

NOTE: HMIS rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered