

SAFETY DATA SHEET

According to the Global Harmonized System

Product Name : BIOGUARD ZERO
 Date / Revised : 02.08.2021

Version: 1.0

1. IDENTIFICATION OF THE CHEMICAL AND OF THE SUPPLIER

Product identifier	:	BIOGUARD ZERO
Recommended use:		Textile auxiliary
Supplier details:		BT BIOTEX SDN BHD Lot 71, Jalan P10/21, Selaman Industrial Park, 43650 Bandar Baru Bangi, Selangor, Malaysia. Tel : 603 – 8922 3633 Fax : 603 – 8920 2100 E-mail : biotex@biotex.com.my Tel : 603 – 8922 3633

Emergency Information


2. HAZARDS IDENTIFICATION
Classification of substances

GHS Classification

Physical hazards	None
Health hazards	Eye Irrit.. 2
Environmental hazards	None

Label element

GHS Label Elements

Signal word	Warning
Pictogram	 Exclamation mark GHS 07
Hazard statement	H 319 Causes serious eye irritation.

Precautionary statements (Prevention)	P280: Wear protective gloves/ face protection / eye protection P264: Wash thoroughly hand, skin and eyes after handling.
Precautionary statements (Response)	P305+P351+P338: If in eyes: Rinse continually with water for several minutes. P337+P313: If eye irritation persists: Get medical advice/attention.
Disposal	-
Storage	-



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3. Composition/information on ingredients

Contains no hazardous ingredients according to GHS

Chemical Name	CAS No.	Concentration %	Classification
Modified wax	8002-74-2	Propriety	H 319 Causes serious eye irritation.
Dihydrogen Oxide (H ₂ O)	7732-18-5	Propriety	Non – Hazardous

4. First aid measures

- If inhaled : Removed to fresh air, if symptoms persist, call a physician.
In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
In case of eye contact : Immediately flush eye(s) with plenty of water.
If eye irritation persists, consult a specialist.
If swallowed : Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.

Notes to physician

- Symptoms : No information available.
Risks : No information available.
Treatment : No information available.

5. Firefighting measures

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Standard procedure for chemical fires.
Use water spray to cool unopened containers.

6. Accidental release measures

- Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.
- Methods for cleaning up : Keep in suitable, closed containers for disposal.

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Additional advice : None.

7. Handling and storage

Handling

Advice on safe handling : No special handling advice required.
Smoking, eating and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

Requirements for storage areas and containers : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed.

8. Exposure controls/personal protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : For prolonged or repeated contact use protective gloves.



Eye protection : Safety glasses



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Skin and body protection : impervious clothing



Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES.

Information on basic physical and chemical properties

Form	:	Liquid
Color	:	White
Odor	:	Odorless
1% PH (Value)	:	4 -5
Boiling Point (Deg.C)	:	100
Melting Point(Deg. C)	:	NA
Flash Point (Deg. C)	:	NA
SpecificGravity at 20°C	:	1.10
Viscosity at 25°C	:	NA
Vapour Pressure(mm Hg)	:	NA
Solubility (Water)	:	Soluble
Solubility (Other)	:	NA
Fire Point	:	>100
Explosion limits	:	ND
Decomposition Temp.	:	>100
Vapour Density(Air=1)	:	ND
Loss% at 110oC for 4hrs	:	NA

Other information: NIL

10. STABILITY AND REACTIVITY

Reactivity:

Substance not reactive in normal conditions.

Chemical stability

Stable in normal storage conditions.

Possibility of Hazardous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Conditions to avoid:

Avoid fire and ignition sources, high temperature.

Incompatible materials:

Rubber, polymers

Hazardous decomposition products: None, if handled according to order.

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity: LD 50: > 2.1 gram /kg (oral, mice)

11.2 Skin corrosion/irritation: May cause mild skin irritation.

11.3 Serious eye damage/irritation: Direct contact may cause severe eye irritation and damage.

11.4 Respiratory or skin sensitization: No information available



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11.5 Germ cell mutagenicity: No information available

11.6 Carcinogenicity: No data available

(This product does not contain any ingredient designated as probable or suspected human carcinogens by: - NTP/IARC/OSHA/ACHIH)

11.7. Reproductive toxicity: No information available

11.8. STOT – single exposure: None known.

11.9. STOT – multiple exposures: None known.

11.10. Aspiration hazard: No information available

12. Ecological information.

Toxicity Environmental

toxicity

Acute and prolonged toxicity to fish:

Zebra fish/LC50 (96 h): >100 mg/l

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): >100 mg/l

Toxicity to aquatic plants:

Green algae/EC50 (72 h): >100 mg/l

Data calculated on the basis on ECHA website and also Analogous: Assessment derived from products with similar chemical character

Persistence and degradability:

Biodegradation:

Test method : OECD 301B; ISO 9439; 92/69/EEC, C.4-C

Method of analysis : CO2 formation relative to the theoretical value

Degree of elimination : > 90 % (28 d)

Evaluation : Analogous: Assessment derived from products with similar chemical Character Readily biodegradable.

Bio-accumulation

Bio-accumulation not expected

Mobility

Data unavailable

Assessment of PBT and VPVB Characteristics

Data unavailable

Other harmful effects None

13. Disposal considerations

- Product : Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.
Dispose of as hazardous waste in compliance with local and national regulations.
- Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information.

Not dangerous goods according to ADR, IATA and IMDG

Not classified as hazardous for transportation

Hazards Class: Does not correspond to the classification standard of the United Nations

UN-No: Not listed

Land transport (ADR): Not classified as dangerous in the meaning of transport regulations.



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Sea transport (IMDG): Not classified as dangerous in the meaning of transport regulations
Air transport (IATA); Not classified as dangerous in the meaning of transport regulations
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not regulated as a hazardous material

15. Regulatory information.

Labelling according to EU Directives: The product is not classified as dangerous according to EU Dangerous Preparations Directive (DPD) 1999/45/EC and hence does not require a hazard warning label. However, the normal safety precautions for handling of chemicals must be observed.

Code letter and hazard designation

(Symbol) of product: None

H phrases :

H 319 Causes serious eye irritation.

Safety phrases: None

Substances restricted under EU Marketing and Use Directive 76/769/EEC: None

Substances of Very High Concern (SVHC) according to REACH, Article 57: None

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<http://www.dosh.gov.my> and www.niosh.com.my

16. Other information.

GHS classification: The GHS calculation method has been used for classification of this mixture

Full text of H-Statements referred to under Sections 2:

The risk phrases shown below are for the component substances which are listed in section 2 and not for the actual finished formulation.

H 319 Causes serious eye irritation.

Please note that, when diluted to the recommended working concentration with water, the working fluid will not be classified as hazardous to health.

Training advice: The product does not require any special training before use. Usage and handling instructions are mentioned in the Material Safety Data Sheet

Date of preparation : 02/08/2021

Version No. : 01

Reason for Version : Revised the SDS according to GHS Hazard communication

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.