

Safety Data Sheet

Section 1 Identification of Substance

Product Name Germall Plus

Manufacturer: XI'AN AOGU BIOTECH CO.,LTD.

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Section 2 Hazards Identification

Causing severe skin burns and eye damage. May cause allergic skin reactions. Can be toxic if inhaled. May cause respiratory irritation. It is extremely toxic to aquatic organisms. If inhaled, remove the patient to fresh air. If breathing stops, give artificial respiration. Consult a doctor. Immediately remove contaminated clothing and shoes. Rinse the skin with soap and plenty of water. Immediately send the patient to the hospital. Consult a doctor.

GHS risk categories

Acute toxicity, oral (Class 5), H303

GHS label elements, including precautions



Pictograph:

Warning word : warning

Risk statement

H303 may be harmful when swallowed. H313 may be harmful by skin contact.

Prevention Describes preventive measures

P272 Contaminated work clothes shall not be taken out of the workplace. P280 Wear protective gloves. Accident response

P302+ P352 If skin is contaminated: Wash thoroughly with soap and water. P312 If you feel unwell, call emergency services/doctors.

P363 Contaminated clothing can be reused only after washing. Waste Disposal P501 Take the contents/containers to an approved waste treatment plant for disposal.

Physical and chemical hazards There is no physical or chemical risk. Health hazard

H303 may be harmful when swallowed.

Environmental hazard Currently available information, no environmental hazards.

Other hazards - None

Section 3 Compositions, Information on Ingredients

ITONG

Substance/mixture: Mixture

Substances

name: Polar Horse plus-L

Molecular formula:CaH4N4O7CaH1zOzNI CaHaO2

Molecular weight: 278.22; 281.09; 76.09 g/mol

Chemical Abstracts Registration Number (CAS No.): 78491-02-8;

55406-53-6; 57-55-6

EC-Number:

| Name | CAS No. | Specification/% |
|---|------------|-----------------|
| Bis (hydroxymethyl) imidazolidinyl urea | 78491-02-8 | 35 ~ 45 |
| Iodopropargyl butyl carbamate | 55406-53-6 | 0.7 ~ 0.9 |
| Propanediol | 57-55-6 | 55 ~ 65 |

Section 4 First Aid Measures

Description of necessary first aid measures: General advice Consult a doctor. Present this safety manual to the doctor on site.

Inhalation: If inhaled, move the patient to fresh air. If breathing stops, give artificial respiration. Consult a doctor. Skin contact: Remove contaminated clothing and shoes immediately. Rinse with soap and plenty of water. Send the patient to the hospital immediately. Consult a doctor.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a doctor.

Ingestion: Do not induce vomiting. Do not feed anything to an unconscious person. Use water to cut the mouth. Consult a doctor. Most important

Instructions and instructions for prompt medical treatment and required special treatment: no data available

Special note to doctors: No data available

Section 5 Fire-Fighting Measures

Fire extinguishing medium: fire extinguishing method and fire extinguishing agent with water mist, alcohol resistant foam, dry powder or carbon dioxide.

Particular hazard resulting from this substance or mixture

Advice to firefighters: If necessary, wear self-contained breathing apparatus for firefighting operations.

Section 6 Accidental Release Measures

Personnel protection measures, protective equipment and emergency procedures:

Wear a respirator. Avoid dust generation. Avoid inhaling vapors, aerosols or gases. Ensure adequate ventilation. Evacuate personnel to a safe area. Avoid inhaling dust.

Environmental protection measures: If safety can be ensured, measures can be taken to prevent further leaks or spills. Don't let the product go down the drain. Avoid discharge to the surrounding environment.

Containment and removal methods of leaking chemicals and disposal materials used: do not generate dust during collection and disposal. Sweep and shovel away. Place in a suitable closed container for disposal.

Section 7 Handling and Storage

Precautions for safe operation: Avoid contact with skin and eyes. Avoid forming dust and aerosols. Provide suitable exhaust equipment where dust is generated.

Conditions for safe storage, including any incompatibility: Store in a cool place. Keep the container airtight and store in a dry, ventilated place. Sensitive to air. Air storage

Section 8 Exposure Controls/Personal Protection

Appropriate technical controls

Avoid contact with skin, eyes and clothing. Wash hands immediately before rest and after handling this product. Personal protective equipment

Ocular protection For safety glasses, use a device tested and approved by official standards such as NIOSH(USA) or EN 166(EU).

Skin protection

Gloves must be checked before use. Remove the gloves using appropriate methods (do not touch the outer surface of the gloves) to avoid contact with this product on any skin area. Dispose of contaminated gloves carefully after use in accordance with relevant laws and regulations and effective laboratory procedures. Please wash and dry your hands The selected protective gloves must comply with EU regulation 89/686/EEC and the derived EN 376 standard.

Body protection

The type of protective equipment must be selected according to the concentration and quantity of hazardous substances in a particular workplace. Respiratory system protection If the risk assessment indicates the need for an air purifying gas mask, use the full-cover multifunctional particulate gas mask Model N100. (US) or Type P3 (EN 143) gas mask cartridges are used as candidates for engineering control. If a gas mask is the only way to protect, use a full-face ventilated gas mask. Respirators use

respirators and parts that have been tested and passed government standards such as NIOSH(US) or CEN(EU >.

Control of environmental exposures

If safety can be ensured, measures can be taken to prevent further leaks or spills.

Don't let the product go down the drain. Avoid discharge to the surrounding environment.

Section 9 Physical and Chemical Properties

Appearance and characteristics: Light yellow transparent liquid

Smell: Characteristic smell

Density/relative density (25°C): 1.15-1.25g/mln)

Water soluble: eutectic

Section 10 Stability and Reactivity

Stability

Stable under recommended storage conditions. Dangerous reaction

Conditions to avoid without data No data banned compounds Strong oxidants

Dangerous decomposition products

In case of fire, it will break down and form harmful substances. - Carbon oxides,

Nitrogen oxides and other breakdown products - no data available.

Section 11 Toxicological Information

| | |
|---|---------|
| Acute toxicity | No data |
| Skin corrosion/irritation | No data |
| Severe eye injury/eye irritation | No data |
| Respiratory or skin allergies | No data |
| Germ cell mutagenicity | No data |
| Carcinogenicity | No data |
| Reproductive toxicity | No data |
| Specific target organ system toxicity (single exposure) | No data |
| Specific target organ system toxicity (repeated exposure) | No data |
| Inhalation hazard | No data |

Section 12 Ecological Information

LDs0: 2500mg/kg (rat) (Polar horse II)

LDs: 1470mg/kg(rat) (IPBC)

LDs: 2000mg/kg (rat) (propylene glycol)

Acute eye irritation test (rabbit) : No irritation (1.0% concentration)

Skin irritation test (rabbit) : No irritation (1.0% concentration > mutagenicity: No relevant information was found.

Neurotoxicity: No relevant information was found.

Reproductive effects: No relevant information was found.

Persistence and degradability No data

Bioaccumulation potential No data available

There are no data on migration in soils

Evaluation of PBT and vPvB results

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

Other harmful environmental effects No data

Section 13 Disposal Considerations

Waste Disposal Methods Product disposal

Handle in accordance with relevant national or local laws and regulations.

Contamination package

Handle in accordance with relevant national or local laws and regulations.

Section 14 Transport Information

Rail/Road (RID/ADR) : Unlimited.

Marine transport (IMO/IMDG) : Unlimited.

Air transport (ICAO-IATA) : Unlimited.

Section 15 Regulatory Information

Regulations/regulations relating specifically to the safety, health and environment of such substances or mixtures are applicable

Listing information for product ingredients in the following directories :IECSC: exists in or complies with existing directories

Other provisions

Please note that waste disposal should also meet local regulatory requirements.

Section 16 Other Information

Technical Specification H302 is harmful to swallowing.

H317 may cause allergic skin reactions.

H335 may cause respiratory irritation.

The information provided in this safety technical specification is accurate on the date of its release, and the information given is only used as a guide for safe handling, storage, transportation, processing, etc., and cannot be used as a guarantee and quality indicator, so that users should strictly abide by national, provincial, and local laws and regulations when operating. XI'AN AOGU BIOTECH CO.,LTD. does not bear any legal responsibility caused by this.

Unless otherwise specified, this information is used only for the specified substance and not for other related substances.