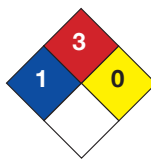


GHS



NFPA



HMIS

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0

HAZARD SEVERITY				
0	1	2	3	4
MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE

Version 1.1

SDS Number: BP/SDS/001/20

Date of Issue: 27.08.2020

SAFETY DATA SHEET (SDS)

SECTION 1: PRODUCT NAME COMPANY IDENTIFICATION

Product Name : STERLOMAX BIOACTIVE HERBAL SURFACE DISINFECTANT WITH ZINC ACTIVES

Manufacturer or Supplier's Details : Bioplus Healthcare Private Limited
S.No 10-1A , Hoodi Village Krishnarajpuram Hobli,
Bangalore- 560048,
Ph : + 91 80 4126 7560

Emergency Telephone Number : Contact Your Regional Poison Control Center

Recommended Use of the Chemical and Restrictions on Use : Surface disinfectant for indoor and outdoor building use.
Do not to use for Hand hygiene as Sanitizer

SECTION 2: HAZARDS IDENTIFICATION

GHS Labelling

Flammable Liquid	: Category 3
Serious Eye Damage/ Eye Irritation	: Category 2B
Specific Target Organ Toxicity –Single Exposure	: Category 3
Signal Word	: Warning
Hazard Statements	: H226 Flammable liquid and vapor H320 Causes eye damage/irritation H336 May cause drowsiness or dizziness Causes damage to organs through prolonged or repeated exposure
Precautionary Statements	: Prevention: P210 Keep away from heat/sparks/open flames/hot surfaces-No smoking. P211 Do not spray on an open flame or other ignition source. P220 Keep/Store away from clothing/combustible materials. P233 Keep container tightly closed. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.

Response:

P370 In case of fire:

P378 Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal:

P501: Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Substance Name : STERLOMAX BIOACTIVE HERBAL SURFACE DISINFECTANT WITH ZINC ACTIVES

Chemical Name (Ingredients) :

Chemical name	CAS-No.	Concentration (% v/v)
Prasanna (Ethanol)	64-17-5	>36.98 - <37.35
Yashad Lavan (Zinc Chloride)	7646-85-7	>0.45 - <0.5

SECTION 4: FIRST AID MEASURES

General Advice : If you feel unwell, seek medical advice (show the label where possible).

Eye/Skin Contact : Remove from source of exposure. If irritation is experienced: For eyes: check for and remove any contact lenses, flush the eyes with copious amounts of water for 15 minutes while holding the eyelids open. For skin: simply flush the area with water. If irritation persists in eyes or skin, please seek medical attention. Provide symptomatic / supportive care as necessary.

Inhalation : If inhaled, move the victim to the fresh air. Provide artificial respiration / oxygen if required. If the symptoms persists, victim has difficulty in breathing, seek medical attention.

Ingestion : Rinse mouth with water. Do not induce vomiting. If required, seek medical attention or advice.

SECTION 5: FIRE-FIGHTING MEASURES

Fire Extinguishing Agents : Use methods appropriate for the fire.
 Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
 Use personal protective equipment

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spillage	: Eliminate all sources of ignition or flammables that may come into contact with the spillage of this product. Absorb the spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.
Personal Precautions, Protective Equipment and Emergency Procedures	: Ensure adequate ventilation. Remove all sources of ignition.
Environmental Precautions	: None
Methods and Materials for Containment and Cleaning Up	: Wipe up with absorbent material (e.g. cloth, fleece).

SECTION 7: HANDLING AND STORAGE

Precautions	: As a general rule, while handling keep away from heat, sparks and flame. Prevent contact with eyes. Avoid inhalation.
Storage and Advice on Protection Against Fire and Explosion	: Keep container away from sources of ignition- No smoking. Tightly closed and in a cool ventilated place. Store according to label instructions. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.
Advice on Safe Handling	: Keep away from heat.
Conditions for Safe Storage	: Store at ambient or lower temperature in the original container. Avoid freezing and excessive heat above 40°C
Materials to Avoid	: Keep away from food and drink

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protection	: Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Isolate and post spill area. Keep people away from and upwind of spill/leak. Eliminate all sources of ignition and remove combustible materials.
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Components with Workplace Control Parameters

Components	Value Type (Form of Exposure)	Control Parameters / Permissible Concentration	Basis
Prasanna (Ethanol)	STEL	1000 ppm	ACGIH
Yashad Iavan (Zinc chloride)	STEL	2mg/m ³	ACGIH

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear liquid
Colour	: Colourless
Odour	: Slightly alcoholic odour
Boiling Point/Boiling Range	: No data available
Flash Point	: No data available
Vapour Pressure	: No data available
Specific Gravity	: 1.034g/ml (Between 0.90g/ml and 1.10g/ml)
Solubility(ies)/Water Solubility	: No data available
Auto-ignition Temperature	: No data available
Identification	: The retention time of the principle peak in the chromatogram of the sample solution should correspond to that of the same peak in the chromatogram of the standard solution, as obtained in the assay
pH	: 12.81(Between 12.60- 12.90)
Prasanna (Ethanol)	: Not Less than 90.0% of the Labelled amount.
Yashad Lavan (Zinc Chloride)	: Not Less than 90.0% of the Labelled amount as input.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	: No decomposition occurs, if stored and applied as directed.
Chemical Stability	: The product is chemically stable.
Possibility of Hazardous Reactions	: None reasonably foreseeable
Conditions to Avoid	: Heat and Strong sunlight for prolonged periods.
Incompatible Materials	: None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity Component

Ethyl alcohol 37.5%

Acute Oral Toxicity	: LD50 (rat): 7060 mg/kg
Acute Inhalation Toxicity	: LC50 (rat): 38 mg/l/10h Test atmosphere: Vapour Method: Calculation method
Acute Dermal Toxicity	: LD50 (rabbit): 15800 mg/kg (anhydrous substance). Acute Toxicity -

Acute Toxicity Component:

Zinc Chloride 0.5%(CAS: 7646-85-7)

Acute Oral Toxicity	: LD50 Oral (Rat): 350 mg/kg
	: Inhalation (human): TCLo: 4800mg/m ³ /3h

Serious Eye Damage/Eye Irritation Components

- Ethyl Alcohol 80% (CAS 64-17-5) : May cause irritation and watering. High concentrations of vapours may cause irritation
- Zinc Chloride 0.5% (CAS: 7646-85-7) : Can cause burn to eyes and severe eye irritant and damage

Respiratory or Skin Sensitization Components

- Ethyl Alcohol 80% (CAS 64-17-5) : Irritating to the mucous membranes and respiratory tract. Risk of absorption. May cause headaches, dizziness, nausea and possible CNS effects.
- Zinc Chloride 0.5% (CAS: 7646-85-7) : Can cause chemical burn and pain if direct contact to skin

Germ Cell Mutagenicity Product Components

- Ethyl Alcohol 80% (CAS 64-17-5) : Not classified based on available information
- Zinc Chloride 0.5% (CAS: 7646-85-7) : No information available

- Carcinogenicity** : Ethyl alcohol 64-17-5: Carcinogenic to humans Group I as per IARC
 IARC: (International Agency for Research on Cancer)
 Zinc Chloride: not classifiable as to human carcinogenicity

- Reproductive Toxicity** : May cause birth defects. Possible risk of harm to the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

- Ecotoxicity Product Components** : In high concentrations: Toxic for aquatic organisms. When used properly, no impairments in the function of waste-water-treatment plants are to be expected

Ethyl Alcohol 80% (CAS 64-17-5)

- Toxicity to Fish : Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h
- Toxicity to Algae : EC50 (72h) = 275 mg/l (Chlorella vulgaris)
- Toxicity to Microorganisms : Fathead minnow (Pimephales promelas) LC50 = 14200 mg/l/96h
 Photobacterium phosphoreum:EC50 = 34634 mg/L/30 min
 Photobacterium phosphoreum:EC50= 35470 mg/L/5 min

Zinc Chloride (CAS: 7722-84-1)

- Toxicity to Aquatic Animals : May cause adverse effects in the aquatic environment if, used for long term

Persistence and Degradability Product

- Biodegradability : Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from Residues : Dispose of as hazardous waste in compliance with local and national regulations.
 Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated Packaging : Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

SECTION 14: TRANSPORT INFORMATION

International Regulation

UNRTDG

UN Number : UN 1987
 Proper Shipping Name : Alcohols, n.o.s (Ethanol, propan-2-ol)
 Class : 3
 Packing Group : III
 Lables : 3

IATA-DGR

UN/ID No. : UN 1987
 Proper Shipping Name : Alcohols, n.o.s (Ethanol, propan-2-ol)
 Class : 3
 Packing Group : III
 Lables : 3
 Packing Instruction (Cargo Aircraft) : 366
 Packing Instruction (Passenger Aircraft) : 355

IMDG-Code

UN Number : UN 1987
 Proper Shipping Name : ALCOHOLS, N.O.S (Ethanol, propan-2-ol)
 Class : 3
 Packing Group : III
 Lables : 3
 EmS Code : F-E, S-D

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15 - REGULATORY INFORMATION

US State Regulation

EPCRA - Emergency Planning and Community Right-to-Know

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
 Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313.

Clean Air Act : This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for

Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I

Intermediate or Final VOC's (40 CFR 60.489)

Ethyl Alcohol	64-17-5	36.98 - 37.35%
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This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

Clean Water Act : This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

Pennsylvania Right To Know	: Ethyl alcohol	64-17-5	36.98 - 37.35%
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New Jersey Right To Know	: Ethyl alcohol	64-17-5	36.98 - 37.35%
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California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

AICS : All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16: OTHER INFORMATION: NIL

Full Text of Other Abbreviations

DIN - Standard of the German Institute for Standardization; EmS - Emergency Schedule; GLP - Good Laboratory Practice; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; IMDG - International Maritime Dangerous Goods; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; N.O.S. - Not Otherwise Specified; OECD- Organization for Economic Co-operation and Development; UN - United Nations; NOEC-No observed effect concentration; ACGIH-The American Conference of Governmental Industrial Hygienists; TWA-time-weighted average; STEL-short-term exposure limits; CAS-Chemical Abstracts Service; Kpa- Kilopascal. GHS- Globally Harmonized System.