



MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT NAME	LYSORUS
PRODUCT CATEGORY	ANTI-BACTERIAL
MANUFACTURED BY	EZZY BIOSCIENCES PVT.LTD.
FACTORY ADDRESS	KHASRA No.90/1 GRAM MEHRJA , KHARGONE 451001
OFFICE ADDRESS	1304, MARATHON ICON NEXTGEN CAMPUS OFF GANPATRAO KADAM MARG LOWER PAREL (W) MUMBAI -400013 (MH) INDIA,Ph- +9102241206505

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or the mixture.

According to EC No.1272/2008 [EU-GHS/CLP] Not a hazardous substance or preparation.

According to 67/548/EEC or 1999/45/EC Not a Hazardous substance or preparation.

Label elements.

Not needed to be labeled in accordance with EC directives or respective national laws.

Other hazards.

None listed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

S.No.	Ingredient	CAS No.
1	Lysozyme	12650-88-3

SECTION 4. FIRST AID MEASURES

Description of first aid measures.

In all case of doubt and /or when symptoms persist, seek medical attention.

Most important symptoms and effects, both acute and delayed.

Eyes	Flush with copious amounts of water for 15 minutes, separating eye lids with fingers. If irritation persists seek medical aid.
Skin	Wash with soap and water for 15 minutes. If irritation persists seek medical aid.
Ingestion	Call a physician. Wash out mouth with water. Do not induce vomiting with out medical advice.
Inhalation	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

SECTION 5. FIREFIGHTING MEASURES

Extinguishing media.

Use water spray, alcohol resistant foam, dry chemical or Carbone dioxide.

Special hazards arising from the substance or mixture.

Carbone oxides, Nitrogen oxides (NOx), Sulphar oxides.

Advice for firefighters.

Wear self contained breathing apparatus for fire fighting if necessary.



SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

In case of accidental release of a large volume of this product, clear all personnel from area. Do not breathe vapors. Ventilate area of leak or spill. Wear protective equipment including positive pressure self contained or air supplied breathing apparatus. Follow confined space entry procedures if applicable, ASTM D-4276 and OSHA 29 CFR 1910.146.

Environmental Precautions.

Contain product to prevent contamination of soil, surface water and ground water. For large spills: contain product: transfer to properly labeled closed metal containers. Place in properly labeled metal container.

Methods and material for containment and cleaning up.

Sweep up and shovel. Keep in suitable, closed container for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures of preventive fire protection.

Condition for the safe storage including any compatibility

Recommended storage temperature is 2-8°C.

Specific end uses

None.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters.

Do not inhale dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling.

Exposure controls.

Appropriate engineering controls General industrial hygiene practice.

Personnel protective equipment

Eye Protection	Use equipment for eye protection tested and approved under government standard such as NIOSH (US) or EN 166 (EU).
Skin Protection	Handle with gloves. Use proper gloves removal technique to avoid skin contact with this product. Dispose off contaminated gloves after use in accordance with applicable laws and good laboratory practices (GLP). Wash and dry hands. The selected protective gloves have to satisfy the specification of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection	Choose body protection in relation to its type, to the concentration and the amount of dangerous substances, and to the specific work place.
Respiratory Protection	Respiratory protection is not required. Where protection from nuisance level of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Respiratory Protection	Respiratory protection is not required. Where protection from nuisance level of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties.

Physical state and	Appearance White to Off-white colored powder
Odor	Charesteristic
Colour	White
pH	NA
Solubility	NA
Specific gravity	NA

SECTION 10. STABILITY AND REACTIVITY

Reactivity.

Data NA.

Chemical stability.

Data NA.

Possibility of hazardous reaction.

Will not occur.

Condition to avoid.

Exposure to heat may affect the product quality.

Incompatible materials.

Strong oxidizing agent, strong acids and bases.

Hazardous decomposition product.

Thermal decomposition can lead to release of irritating gases and vapors.

Other decomposition product.

Data NA.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects.

Acute toxicity (LD50 Oral - rat - NA mg/kg). (LD50 Rodent – mouse -5800 mg/kg.)
TOXIC EFFECTS : Behavioral - changes in motor activity (specific assay);
Behavioral - ataxia Lungs, Thorax, or Respiration - respiratory depression.

Skin corrosion/irritation NA.

Serious eye damage/eye irritation NA.

Respiratory or skin sensitization. NA.

Germ cell mutagenicity. NA.

Carcinogenicity. IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity NA.

Specific target organ toxicity Acute - NA. , Chronic - NA.

Aspiration hazards NA.

Potential health effects Refer - Section 8.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information RTECS: OL5989000..



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SECTION12. ECOLOGICAL INFORMATION

Toxicity.

Acute Toxicity (IC50 fish: NA mg/kg.)

Persistence and degradability.

Data NA.

Bio-accumulative potential.

Data NA.

Mobility in soil.

Data NA.

Results of PBT and vPvB assessment.

Data NA.

Other adverse effects.

Data NA.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment method.

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations, characterization and compliance with applicable laws are the responsibility solely of the generator.

SECTION 14. TRANSPORT INFORMATION

UN number.

Non-hazardous for air, sea and road freight.

No classification assigned.

UN proper shipping name.

No classification assigned.

Transport hazard class (es).

Adr/rid/and

Refer to corresponding hazard class.

Code imdg

Refer to corresponding hazard class.

lata/icao

Refer to corresponding hazard class.

Packing group.

None.

Environmental hazards.

ADR/RID- Environmental hazards. No.

Marine pollutant No.

Special precautions for users. (subsidiary risks)

Codes EMS Refer to corresponding hazard class.

ADR/RID- number hazards Refer to corresponding hazard class.

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

Transport in bulk Refer to corresponding hazard class.

Technical name Data NA.

Ship type Data NA.

Annex II Yes/No.



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SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture - Farther information.

- # The product does not to be labeled in accordance with EC directives or respective national laws.
- # National library of medicine (NLM), creates information, resources and services in toxicology;
- # Directive 67/548/CEE (Classification, Packaging and labeling of dangerous substances) and subsequent amendments;
- # Directive 99/45/ CEE (Classification, Packaging and labeling of dangerous substances) and subsequent amendments;
- # Regulation n. 1907/2006 / CE (Reach);
- # Regulation n. 1272/2008/CE (CLP);
- # Regulation n. 790/2009/CE (amending for the purposes of the scientific and technical progress, regulation of ATP n. 1272/2008/CE);
- # D.Lgs 81/2008 (Law relating to protection of health and safety at work) and subsequent amendments and Directive 2009/161/UE.

SECTION 16. OTHER INFORMATION

European /International Regulations European Labeling in Accordance with EC Directives

Hazard Symbols	N/A
Risk Phrases	May cause sensitization by inhalation.
Safety phrase	Keep out of the reach of children. Do not breathe dust. Avoid contact with skin. Wear suitable protective clothing and gloves.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by those regulations.

The fact sheet was reviewed in all its sections in accordance with regulation 453/2010/UE.

**Authorized Signatory
Ezzy Biosciences Pvt. Ltd.**