

Material Safety Data Sheet

Product name : Gold pine oil liposome

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name : Gold pine oil liposome

1.2 Manufacturer : UAT

- Address : 304, Techno zone, 117, Hwanggeum-ro, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea

- Tel. : +82-31-999-4853

- Fax. : +82-31-999-4854

1.3 Creation Date : 2022.05.24

1.4 Revision Date : 2022.05.24

1.5 Shelf life : 1 year after the production date

1.6 Recommendation : 6 month after unsealing

2. HAZARD IDENTIFICATION

2.1 Eyes : Eye Contact may cause irritation with discomfort, tearing and blurring vision.

2.2 Respiratory Tract : Inhalation may cause irritation of the respiratory tract with coughing and nonspecific discomfort.

2.3 Skin : Skin contact may cause irritation.

2.4 Digestive Tract : Ingestion may cause nausea. Acutely non-toxic.

2.5 Symptoms : May include burning sensation, coughing, wheezing, headache, nausea and vomiting.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

INCI	CAS No.	EC No.	Composition(%)
Glycerin	56-81-5	200-289-5(I)	56
Water	7732-18-5	231-791-2	30
Lauryl Glucoside	110615-47-9	-	6
Pinus Densiflora Leaf Extract	-	-	2
Caprylic/Capric Triglyceride	65381-09-1	265-724-3 (I)	2
Hydrogenated Lecithin	308068-11-3	295-786-7	2
1,2-Hexanediol	6920-22-5	230-029-6	2

4. FIRST AID MEASURES

- 4.1 Inhalation : Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
- 4.2 Eye Contact : Immediately flush eyes with running water. Seek medical attention if irritation develops.
- 4.3 Skin Contact : Wash affected area with soap and water. Seek medical attention if irritation develops.
- 4.4 Ingestion : Wash mouth out with water. Get medical help if discomfort persists.

5. FIRE FIGHTING MEASURES

- 5.1 Fire / Explosion Hazards : None
- 5.2 Hazardous Thermal Decomposition Products : None
- 5.3 Protection of Firefighters : Use adequate eye and skin protection

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Precautions : None known
- 6.2 Environmental Precautions : None
- 6.3 Release Measure : Sweep up to avoid slipping hazard. Keep airborne particulate at a minimum when cleaning up spills.

7. HANDLING AND STORAGE

- 7.1 Handling : Use in ventilated areas.
- 7.2 Storage : Store in cool, dry well ventilated storage area. Keep container closed to prevent water absorption and contamination.
- 7.3 Suitable Packaging Materials : Tightly sealed container.
- 7.4 Unsuitable Packaging Materials : None

8. EXPOSURE CONTROL / PERSONAL PROTECTION

- 8.1 Ventilation : Additional ventilation beyond that of general exhaust is not normally required.
 - 8.2 Respiratory Protection : Not needed.
 - 8.3 Skin Protection : Wear suitable clothing, nothing special needed.
 - 8.4 Eye Protection : Not normally needed.
 - 8.5 Hand Protection : Not normally needed.
 - 8.6 Exposure limits : Not available
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9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance : Viscous Liquid
- 9.2 Color : Light Yellow
- 9.3 Odour : Typical
- 9.4 pH (5→100) : 5.0 ~ 8.0
- 9.5 Specific Gravity(d20/20) : 0.980 ~ 1.020
- 9.6 Solubility : Soluble in water

10. STABILITY AND REACTIVITY

- 10.1 Conditions to Avoid : Keep sources of ignition at a distance
- 10.2 Chemical Incompatibility : Avoid contact with strong oxidizing and acid agents.
- 10.3 Hazardous Decomposition Products : Will not occur
- 10.4 Hazardous Polymerization : Will not occur
- 10.5 Special Remarks on Reactivity : Not available
- 10.6 Special Remarks on Corrosivity : Not available

11. TOXICOLOGICAL PROPERTIES

- 11.1 Acute Toxicity Data : Not available
- 11.2 Skin Irritation Data : Not available
- 11.3 Mutagenicity Data : Not available
- 11.4 Percutaneous Permeation Data : Not available
- 11.5 Subchronic Toxicity : Not available
- 11.6 Reproductive Effects : Not available
- 11.7 Phototoxicity : Not available
- 11.8 Photosensitization : Not available
- 11.9 Inhalation Toxicity : Not available
- 11.10 Cytotoxicity : Not available

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity : Not available.
 - 12.2 BOD5 and COD : Not available.
 - 12.3 Biodegradability : Not available
 - 12.4 Aquatic Toxicity : Not available
 - 12.5 Water Hazard Class : Not available.
 - 12.6 Bioaccumulation Potential : Not available.
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13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods :

This product has no characteristics requiring it to be labeled hazardous waste. Nevertheless, it is important to package, store, transport, and dispose of all clean up materials and any contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations. Shipment of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of each waste material and should be performed by competent and properly permitted contractors.

14. TRANSPORTATION

14.1 Road (DOT) : Not regulated

14.2 Air (IATA) : Not regulated

14.3 Sea (IMDG) : Not regulated

15. REGULATORY INFORMATION

Regulations in South Korea :

- Industrial safety & Health measure : Not listed
- The hazardous chemical substances control act : Not listed
- The Fire Services Act : Not listed

SECTION 16. OTHER INFORMATION

All information, recommendations, and suggestions appearing herein concerning our product are based on the data believed to be reliable; however, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein.
