

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT IDENTIFICATION

Product Name : GlucanREAL

Application : Ingredient of Cosmetic etc.

Product Code (Supplier) : QUEGEN BIOTECH Co., Ltd.

Address : 139-22 Gongdan2dae-Ro, Siheung-Si, Gyeonggi-Do, Korea

Emergency Phone Number : 82_31_497_2660 / **Fax Number** : 82_31_497_2661

2. HAZARD IDENTIFICATION

Hazard classification Not classified as dangerous, in accordance with Regulation (EC) No. 1272/2008 and amendments(CLP), directives 67/548/EEC or 1999/45/EC.

Classification & specific hazards

Pictograph None

Signal word None

Hazard statements None

Precautionary statements (Please refer to the MSDS for more information.)

Prevention None

Response None

Storage P403 Store in a well-ventilated place.
P404 Store in closed container.

Disposal None

Other hazard

1,2-Hexanediol

Health 2

Fire 1

Reactivity 0

Glycerin

Health 1

Fire 1

Reactivity 0

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name(INCI)	CAS Number	EINECS Number	Contents(%)
Water	7732-18-5	231-791-2	77.60(%)
Glycerin	56-81-5	200-289-5	20.00(%)
1,2-Hexanediol	6920-22-5	230-029-6	2.00(%)
Beta-Glucan	53238-80-5	258-443-2	0.40(%)
	55965-23-6	310-127-6	
	26874-89-5	-	
Total			100.00(%)

4. FIRST AID MEASURES

Effect and Symptoms :

Ingestion No adverse effects known

Inhalation No adverse effects known

Skin Contact No known effects

Eye Contact No known effects

First Aid Measures :

Ingestion Do Not induce vomiting unless directed to do so by medical personnel, Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious ingestion Not available

Skin contact Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious skin contact Not available

Eye contact Rinse thoroughly with a lot of water for some minutes. Call a doctor if necessary.

5. FIRE and Explosion Data

Flammability of the Product: May be combustible at high temperature

Auto-ignition temperature: Not available

Flash points: Not available

Flammable Limits: Not available

Products of combustion: Not available

Fire hazards in presence of various substances: Slightly flammable to flammable in presence of open flames and sparks, of heat.

Non-flammable in presence of shocks.

Fire Fighting Media and instructions:

Small fire: Use DRY chemical powder

Large fire: Use water spray, fog or foam. Do not use water jet.

Special remarks on fire hazards: Not available.

Special remarks on explosion hazards: Not available

6. ACCIDENTAL RELEASE MEASURES

Small spill: Use appropriate tools to put the spilled liquid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to be evacuated through the sanitary system.

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

7. HANDLING AND STORAGE

Handling : Avoid contact with skin and eyes.

Storage : Keep away from direct sunlight. Keep container tightly closed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory System Protection : No special respirator needed.

Skin and Body Protection : Wear suitable protective clothing and gloves.

Hand Protection : Wear suitable gloves.

Eye Protection : Eye goggles, with side shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Viscous liquid

Odor: Characteristic slightly odor

Taste: Not available.

Molecular weight: 1,000,000~2,000,000 Da

Color: Colorless to light yellow

pH (25°C): 5.5 ~ 7.5

Boiling Point : 100°C

Flash Point : Not available.

Critical temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in water): Not available.

Dispersion Properties: Not available.

Viscosity cps (40°C, spindle 2, 30RPM) : 340 ~ 500 cps

Solubility: Water

10. STABILITY AND REACTIVITY

Stability: The product is stable.
Instability temperature: Not available.
Conditions of instability: Excess heat, incompatibles
Incompatibility with various substances: Not available.
Corrosivity: Not available.
Special remarks on reactivity: no information found.
Special remarks on corrosivity: Not available.
Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Skin Irritation : No irritation
Eye Irritation : Not data
Sensitization : Not data

12. ECOLOGICAL INFORMATION

Do not discharge product unmonitored into the environment..

13. DISPOSAL CONSIDERATIONS

Packaging and product must be disposed of according to the applicable and approved local, provincial, and federal regulations in force.

14. TRANSPORT INFORMATION

Land – Road / Railway : This Product is not classified according to ADR/RID
Inland Waterways : This Product is not classified according to ADNR
SEA : This Product is not classified according to IMDG
AIR : This Product is not classified according to IATA
National Transport Regulations : No Additional national transport regulations are known to the supplier.

15. REGULATORY INFORMATION

CLASSIFICATION : This product is not classified as hazardous.

16. OTHER INFORMATION

HISTORY

Data of issue March. 02, 2021

Authorization Yong–Man Jang, Process Development Team.

The statements made here are supposed to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics and are

made to the best of our current knowledge.
