



MATERIAL SAFETY DATA SHEET

1. COMPANY / PRODUCT IDENTIFICATION

Manufacturer Suheung Capsule Co., Ltd.
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Supplier / Distributor Distributors vary per market.

Contact Information Send requests for information, advice, and other inquiries regarding this product to:
 Quality Assurance Department, Hard Capsule Division

Product Name EMBO CAPS[®] VG

Description Edible capsules produced through a manufacturing process, where HPMC is dissolved in purified water to create a HPMC solution, in which mold pins are dipped for shape formation, dried, stripped, cut, and joined.

Usage Assists administration of medicine / dietary supplements via dosage encapsulation.

Appearance Odorless hard capsule

Product Information Specification of product meets requirements of Korean, European, Japanese and United States Pharmacopeias.
 Nine sizes: #00EL, #00, #0EL, #0, #1, #2EL, #2, #3, #4

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percentage (Weight Ratio)
HPMC (Hydroxy Propyl Methyl Cellulose)	9004-65-3	79.65 ~ 100%
Purified Water	7732-18-5	0 ~ 3%



3. HAZARDS IDENTIFICATION

Fire and Explosion Not Applicable

Health

Eyes: Not Applicable
Skin: Not Applicable
Inhalation: Not Applicable
Ingestion: Not Applicable

4. FIRST-AID MEASURES

Eye / Skin Contact Not Applicable

Inhalation / Ingestion Not Applicable

Notes to Physicians Not Applicable

5. FIRE-FIGHTING MEASURES

Flashpoint Not Applicable

Auto-ignition Not Applicable

Upper Flammable Limit Not Applicable

Regulations Not Applicable

Extinguishing Media Water, dry powder, foam carbon dioxide extinguishers.

Hazardous Combustion Products Toxic gas products and foul odor expected upon pyrolysis or combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Not Applicable

Environmental Precautions Not Applicable

7. HANDLING AND STORAGE

Handling Product not hazardous to human body upon exposure. Avoid hard impact and wetness for maintaining optimum product quality

Storage Store in temperature 15~25°C, and relative humidity (RH) 35~65%.
Load on pallets, avoid direct sunlight, circulate air inside storage area for eliminating partial temperature variation.

No specific handling or storage procedures have been identified.



8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection	Not Applicable
Eyes / Skin Protection	Not Applicable
Body Protection	Not Applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid object with or without color
Odor	Odorless
pH	Not Applicable
Solubility	Water soluble; creates cohesive solution or gel
Boiling Point	Not Applicable
Melting Point	Not Applicable
Explosive Properties	None
Oxidizing Properties	None
Vapor Pressure	Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Stable in normal temperature and pressure
Conditions to Avoid	Avoid heat, ignitable sources and moisture
Possibility of hazardous material formation	No pertinent data available

11. TOXICOLOGICAL INFORMATION

Carcinogenesis	Not Applicable
Target Organ Effects	Not Applicable
Possibility of hazardous material formation	No relative data available



12. ECOLOGICAL INFORMATION

Biological Decomposition HPMC is a cellulose ethyl product. Cellulose ethyl products normally have a slow rate of biological decomposition.

Environmental Hazards Cellulose ethyl products normally possess low toxic levels for fish.

13. DISPOSAL CONSIDERATIONS

Dispose as domestic waste according to local regulations.

14. TRANSPORT INFORMATION

Avoid high temperatures, high pressure or impact. Avoid wet places.

15. REGULATORY INFORMATION

No relevant regulation applicable.

16. OTHER INFORMATION

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