

# MATERIAL SAFETY DATA SHEET

## SECTION 1. Product and company identification

- |                                                                            |                                                                                               |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1. Product Name                                                            | New Egoround Hand Sanitizer (Ethanol)                                                         |
| 2. Recommended use of the chemical and restrictions on use identified uses | hand sanitizer/drugs                                                                          |
| 3. Details of the manufacturer/supplier of the safety data sheet           |                                                                                               |
| Manufacturer                                                               | KM PHARMACEUTICAL Co., Ltd.                                                                   |
| Address                                                                    | 121 Pyeongtaekhang-ro 268beon-gil, Poseung-eup, Pyeongtaek-si, Gyeonggi-do, Republic of Korea |
| Emergency telephone number                                                 | + 82-31-682-1749                                                                              |

## SECTION 2. Hazard Identification

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|------------------------------------------------------|-------------------|
| 1. Classification of the substance or mixture        | No data available |
| 2. Label elements including precautionary statements |                   |

Symbol



Signal Word

Warning

Hazard, Risk statements

Highly flammable liquids and vapors  
Causes serious eye irritation  
May cause cancer (Ingestion)  
Causes skin irritation

Precautionary statements

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Keep away from heat, hot surfaces, open flames, sparks. – No smoking  
Keep container tightly closed  
Ground/bond container and receiving equipment  
Use explosion-proof electrical, lighting, ventilating equipment  
Use only non-sparking tools  
Take precautionary measures against static discharge  
Do not breathe mist, spray, vapors  
Wash exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear eye protection, face protection, protective clothing, protective gloves

3. Other Hazard, Risk which are not included in the classification criteria

Store in a well-ventilated place. Keep cool  
No data available

### SECTION 3. Composition/Information on Ingredients

Function	Ingredient	CAS No.
Active Ingredient	Alcohol	64-17-5
Humectant	Glycerin	56-81-5
	Butylene Glycol	107-88-0
	Aloe Barbadosensis Leaf Extract	85507-69-3
Viscosity Increasing Agent	Carbomer	9003-01-04
pH Adjuster	Triethanolamine	102-71-6
Flavor	Flavor	-
Solvent	Water	7732-18-5

### SECTION 4. First Aid Measures

- |                                |                                                                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. In case of eye contact      | Rinse thoroughly with a lot of water for some minutes.<br>Call a doctor if necessary.                                                                              |
| 2. In case of skin contact     | If irritation occurs, rinse with water and consult a doctor.                                                                                                       |
| 3. If inhaled                  | If irritation occurs, move person into fresh air.                                                                                                                  |
| 4. If swallowed                | Take medical action immediately.                                                                                                                                   |
| 5. Other physician precautions | If small amount wash out mouth with water and drink clean water. If amount is large give plenty of water to drink, do not induce vomiting and seek medical advise. |

### SECTION 5. Explosion and fire fighting measures

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|-------------------------------------------------------------------|--------------------------------------------------------------------------|
| 1. Appropriate(Inappropriate) a digestive                         |                                                                          |
| Unsuitable extinguishing media                                    | No data available                                                        |
| Small fire                                                        | dry sand, dry chemical, alcohol-free foam, water spray, regular foam CO2 |
| Large fire                                                        | Water jet or alcohol-resistant foam                                      |
| 2. Necessary measure to protect the environment                   | No special measures required                                             |
| 3. Special protective equipment and precautions for fire-fighters | No special measures required                                             |

### SECTION 6. Accidental Release Measures

- |                                                                        |                                                                                                        |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 1. Personal precautions, protective equipment and emergency procedures | Avoid breathing vapours if any and ensure adequate ventilation.<br>Cordon off area to other personnel. |
| 2. Necessary measures to protect the environment                       | do not allow to enter drainage system, surface or ground water.                                        |
| 3. Methods and materials for containment and cleaning up               | Absorb with liquid-binding material                                                                    |

### SECTION 7. Handling And Storage

1. Precautions for safe handling	Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.
2. Conditions for safe storage	
Requirements to be met by storerooms and containers	Keep it out of direct sunlight and dry place.
Information about storage in one common storage facility	Store only in original containers out of reach of children.
Further information about storage conditions	None
Recommended storage temperature	10°C~25°C

### SECTION 8. Exposure Controls/Personal Protection

1. Control parameters	
Domestic regulations	No data available
ACGIH regulations	No data available
Biological exposure	No data available
2. Appropriate engineering controls	No data available
3. Personal protective equipment	
Respiratory protection	Avoid breathing vapours.
Eye/face protection	Avoid contact with eyes.
Skin protection	Wear vinyl, latex or nitrile gloves.
Body Protection	Wear protective clothing

### SECTION 9. Physical And Chemical Properties

1. Appearance	
Form	Gel type
Colour	Colorless
2. Odour	Characteristic odour
3. Odour Threshold	No data available
4. pH	5.50~8.50
5. Melting/freezing point	No data available
6. Initial boiling point and boiling range	No data available
7. Flash point	21 °C
8. Evaporation rate	No data available
9. Flammability(solid, gas)	No data available
10. Upper/lower flammability or explosive limi	No data available
11. Vapour pressure	No data available
12. Solubility	Water
13. Vapour density	No data available
14. Relative density	No data available
15. Partition coefficient: n-octanol/water	No data available
16. Autoignition temperature	No data available
17. Decomposition temperature	No data available
18. Viscosity	No data available

19. Molecular Weight	No data available
<b>SECTION 10. Stability And Reactivity</b>	
1. Chemical stability and Possibility of hazardous reactions	Heat the Container may explode. Some are able to ride, but not easily ignite. Inhalation of the substance may be harmful.
2. Conditions to avoid	Avoid heat, flames, sparks and other sources of ignition.
3. Incompatible materials	inflammables materials
4. Hazardous decomposition products	No data available
<b>SECTION 11. Toxicological Information</b>	
1. Information on the likely routes of exposure	No data available
2. Health hazard information	No useful information available All ingredient are compounds acknowledged as cosmetic ingredients by KT, ICID, KSCI, NF, USP etc.
<b>SECTION 12. Ecological Information</b>	
1. Ecotoxicity	
Fish	No data available
Shellfish	No data available
Algae	No data available
2. Persistence and degradability	No data available
3. Bioaccumulative potential	
Accumulative	No data available
Biodegradable	No data available
4. Mobility in soil	No data available
5. Other adverse effects	No data available
<b>SECTION 13. Disposal Considerations</b>	
1. Waste treatment methods	Dispose of contents and container by waste management regulations
2. Notices	Take into account the precautions by waste management regulations
<b>SECTION 14. Transport Consideration</b>	
1. Transport hazard class(es)	3
2. Packaging group	III
3. Environmental hazards	not applicable
4. UN number	1170
5. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises	Avoid source of fire such as heat, flame etc Keep under room temperature in shade.

## SECTION 15. Regulatory Information

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|------------------------------------------|----------------------------------------------------------------------|
| 1. Industrial Safety and Health Act      | Classified by the regulation of KPC(Korean Pharmaceutical Codex) Law |
| 2. Toxic Chemicals Control Act           | Classified by the regulation of KPC(Korean Pharmaceutical Codex) Law |
| 3. Safety Control of Dangerous Substance | Classified by the regulation of KPC(Korean Pharmaceutical Codex) Law |
| 4. Wastes Control Act                    | Classified by the regulation of KPC(Korean Pharmaceutical Codex) Law |
| 5. Other domestic and Foreign Regulation | Classified by the regulation of KPC(Korean Pharmaceutical Codex) Law |

## Section 16. Other Information

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|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Information source and references | See MSDS provided by<br>KM PHARMACEUTICAL Co., Ltd.<br>Contact manufacturer(phone number + 82-31-682-1749)<br>for necessary information                                                                                                             |
| 2. Creation data                     | 2020-03-09                                                                                                                                                                                                                                          |
| 3. Revision                          | -                                                                                                                                                                                                                                                   |
| Last updated                         | 2020-03-09                                                                                                                                                                                                                                          |
| 4. Others                            | Use only for Body purpose.<br>This information has been prepared based on our<br>experience and information about the material as of the<br>issuing day, however, the safety conditions for using this<br>product are to be determined by the user. |



