

Material Safety Data Sheet

(물질 안전 보건 자료)

1. PRODUCT AND COMPANY IDENTIFICATION

- 1) Product Name : Dr.esthé Enzyme Deep Clear Powder Wash
- 2) Use : Apply to the body and face skin and wash out
- 3) Company : THURINGEN KOREA. CO., LTD.
79, Yuram-ro, Dong-gu, Daegu, Republic of Korea
- 4) TEL : +82-53-965-6363
- 5) FAX : +82-53-965-3989

2. HAZARDS IDENTIFICATION

- Human Health Hazards : None known

3. FIRST AID MEASURES

- 1) Ingestion :
 - Get immediate medical advice/attention.
- 2) Eye Contact :
 - Consult an ophthalmologist promptly.
 - Wash well open eyes immediately, abundantly and thoroughly with soap and water for at least 20 minutes.
 - Get medical attention if symptoms persist.
- 3) Inhalation :
 - Move to fresh area.
 - In case of apnea : Give CPR to him/her.
 - In case of difficulty in breathing : Provide oxygen to him/her.
 - Keep a person warm and at rest.
- 4) Other advices for doctors :
 - Be aware of relevant substance and take protective actions.

4. FIRE-FIGHTING MEASURES

- 1) Suitable extinguishing media :
 - Alcohol-resistance foam extinguishing agent, carbon dioxide or water spray.
 - In case of extinguishment by smothering : Use dry sand or soil.
- 2) Special hazards arising from the chemical substance or mixture :
 - During a fire, irritating and toxic smoke may be generated by pyrolysis or combustion.
 - Container may explode when heated.
 - Partially flammable but not ignited easily.
 - Nonflammable substance may be decomposed when heated and form corrosive/toxic fume.
- 3) Special protective equipment and precautions for fire-fighters :
 - Wear appropriate protective equipment.
 - Avoid the area, maintain the safety distance and extinguish fire.
 - Be cautious of transferrable fused substances.
 - Lock up the fire fighting water by digging ditches and do not let the substances to get scattered.
 - If not dangerous, containers may Be transferred in fire area.

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- In case of fire on tank, Extinguish the fire with the maximum distance or use unmanned equipment.
- In case of fire on tank, Cool down the container with plenty of water even after fire is extinguished.
- In case of fire on tank, Evacuate immediately if pressure relief device makes a noisy sound or the color of tank changes.
- In case of fire on tank, Evacuate from the tank in flames.
- In case of large fire, Use unmanned equipment. If it's impossible, retreat and let it burn.
- Water, scattered when the container is heated or exploded, may burn the skin or eyes.

5. ACCIDENTAL RELEASE MEASURES

- 1) Personal precautions, protective equipment and emergency procedures : Not required.
- 2) Environmental precautions : No special measures required.
- 3) Methods and material for containment and cleaning up : Collect the spill. Flush the rest with plenty of water.

6. HANDLING AND STORAGE

- 1) Precautions for safe handling : Be aware of the substances and conditions to avoid.
- 2) Conditions for safe storage, including any incompatibilities :
Keep containers tightly closed, away from heat and light and store in dry place at normal temperature.

7. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 1) General Measures : No special measures required.
- 2) Individual Protection Media : No special media required.

8. PHYSICAL AND CHEMICAL PROPERTIES

- 1) Appearance : Powder
- 2) Color : White
- 3) Odor : Characteristic
- 4) Microbiological Limit Test : Bacteria - max 1000cfu/g
Pathogens, yeasts, molds - Negative
- 5) Lead : Less Than 20ppm
- 6) Arsenic : Less Than 2ppm
- 7) Flash point : Not applicable
- 8) Boiling point : Not applicable

* Refer to Certificate Of Analysis provided by THURINGEN KOREA. CO., LTD. for more information.

9. STABILITY AND REACTIVITY

- 1) Chemical stability : Stable at room temperature and at atmospheric pressure.
- 2) Conditions to Avoid : Ignition sources such as heat, spark and flames. Contamination.
- 3) Substances to avoid : Oxidizing materials.
- 4) Hazardous Decomposition Products : Oxides of carbon, oxides of nitrogen, oxides of sulfur, aromatic compounds, formaldehyde, hydrogen cyanide.

10. TOXICOLOGICAL INFORMATION

- 1) Skin Irritation : Not an irritant
- 2) Eye Irritation : Not an irritant

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3) Sensitization : Not a sensitizer

11. ECOLOGICAL INFORMATION

- No information available.

12. DISPOSAL CONSIDERATIONS

- 1) Waste treatment methods : Small quantities can be disposed with household garbage.
Large quantities must be disposed in approved sites.
- 2) Disposal methods/information : Disposal must be in accordance with current applicable laws and regulations.

13. TRANSPORT CONSIDERATION

- 1) UN Number : No categorization information as dangerous good under UN regulations.
- 2) Proper shipping name : Not applicable
- 3) Transport hazard class(es) : Not applicable
- 4) Packing group : Not applicable
- 5) Marine pollution class(es) : Not applicable
- 6) Special precautions for user :
 - Precautions in case of fire : Not applicable
 - Precautions In case of leakage : Not applicable

14. REGULATORY INFORMATION

- 1) In accordance with Occupation Safety and Health Act : No data
- 2) In accordance with Toxic Chemicals Control Act : No data
- 3) In accordance with Safety Control of Dangerous Substances Act : No data
- 4) In accordance with Waste Control Act : Specified/designated waste
- 5) In accordance with other domestic or foreign acts : Not applicable

15. OTHER INFORMATION

- 1) Reference :
 - Occupation Safety and Health Act
 - Standards on Classification and Labeling of Chemical Substances and Material Safety Data Sheet (Ministry of Labor Notice 2009-68)
 - Material Safety Data Sheet by Korea Occupational Safety and Health Agency
- 2) Initial date of preparation : 2019-08-05
- 3) Revision number and the latest revision date : 0 / 2019-08-05
- 4) Others :

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.