

MATERIAL SAFETY DATA SHEET

Complies with EC Directives EC 91/155/EEC & 93/112/EC

1. Chemical Product and Company Identification

- 1.1. Product Name: **KURIVERTER K-310**
- 1.2. Company Information: **KURITA AMERICA, INC.**
1313 Valwood Pkwy., Suite 370
Carrollton, TX 75006 USA
- 1.3. Points of Contact: Telephone: 972-484-4438
FAX: 972-484-4445
Web: www.kuritaamerica.com
- 1.4. Emergency Information: CHEMTREC – 1-800-424-9300

2. Composition / Information on Ingredients

Aqueous formulation based on Catalase enzyme

- 2.1. This product is composed of the following ingredients:

(a)N/A

(b)

- 2.2. Characterization of important components according to 2.1.:

COMPONENT

CAS-No.

(a)N/A

(b)

3. Hazards Identification

Prolonged or repeated contact with the concentrated product may result in a temporary irritation of the eyes and the skin.

4. First Aid Measures

- 4.1. General Instructions : There is no general instruction necessary.
- 4.2. Eye Contact : After separating the eyelids, flush with copious amounts of water. Contact an oculist, in case irritation persists.
- 4.3. Skin Contact : Remove contaminated clothing, take a shower, thoroughly wash affected skin with water.
- 4.4. Ingestion : Rinse mouth with water, take two to three glasses of water and induce vomiting.
- 4.5. Inhalation : Guide affected person to fresh air. Contact a physician in case inconvenience persists.
- 4.6. Notes to Physician : There is no special information available. Treat symptomatically.

Information given herein is to the best of our knowledge and is only related to the product as delivered in order to give a complete review of safety aspects accurate as of the date indicated. All data given are never meant to guarantee product properties.

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5. Fire Fighting Measures

- 5.1. Flammability of the product : This product is not flammable
5.2. Suitable extinguishing media : Use extinguishing media appropriate to surrounding fire conditions.
5.3. Special exposure hazards: During a fire or combustion of this product a highly irritating gas may be generated.

6. Accidental Release Measures

Wear proper protective equipment. Absorb spill with inert material and place in a chemical waste container. Flush residual spill with plenty of water.

7. Handling and Storage

- 7.1. Handling : Keep container tightly closed. Avoid prolonged contact with skin or eyes.
7.2. Storage : Store in a cool, dry, well ventilated location. Keep container right side up and tightly closed when not in use.

8. Physical and Chemical Properties

- 8.1. Appearance : Brown Liquid
8.2. Odor : Slight
8.3. Physical State : Liquid
8.4. pH Value : 6.8 – 7.8 (20°C)
8.5. Vapor Pressure : No Data
8.6. Vapor Density : No Data
8.7. Boiling Point : 100°C
8.8. Melting Point : N/A
8.9. Solubility in Water : 100%
8.10. Specific Gravity : 1.10 – 1.20 (20°C)
8.11. Viscosity : <20mm²/sec (30°C)
8.12. Autoignition Temperature : N/A

9. Stability and Reactivity

- 9.1. Stability : Stable, will not polymerize
9.2. Conditions to Avoid : Temperatures > 150°C
9.3. Materials to Avoid : None known
9.4. Hazardous Decomposition : None known

10. Toxicological Information

- 10.1. No data exists on this subject. This product may cause irritation to the eyes and skin, however, this product is not a carcinogen and no physiological effects are known.

11. Ecological Information

- 11.1. This product has no ecological or aquatic toxicological effects.

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12. Disposal Considerations

- 12.1. Waste disposal must be in accordance with appropriate US Federal, State, and International regulations. This product, if unaltered or used may be disposed of by treatment at a permitted facility as advised by you local hazardous waste regulatory authority. DO NOT USE Containers for Drinking Water Use.

13. Transport Information

13.1. DOT:

- | | | |
|---------------------------------|---|----------------|
| 13.1.1. DOT – UN Number | : | Not Applicable |
| 13.1.2. DOT Shipping Name | : | Not Regulated |
| 13.1.3. Hazard Class | : | Not Applicable |
| 13.1.4. Subsidiary Risk (Class) | : | Not Applicable |

13.2. IATA/ICAO:

- | | | |
|------------------------------|---|----------------|
| 13.2.1. Hazard Class | : | Not Applicable |
| 13.2.2. Packing Group | : | Not Applicable |
| 13.2.3. Proper Shipping Name | : | Not Regulated |
| 13.2.4. ID/UN Number | : | Not Applicable |
| 13.2.5. IATA Label | : | Not Applicable |
| 13.2.6. ERG# | : | Not Applicable |

13.3. IMO:

- | | | |
|-----------------------|---|----------------|
| 13.3.1. Hazard Class | : | Not Applicable |
| 13.3.2. Packing Group | : | Not Applicable |

13.4. TDG (Canada):

- | | | |
|-----------------------|---|----------------|
| 13.4.1. Status | : | Not Applicable |
| 13.4.2. Packing Group | : | Not Applicable |

14. Regulatory Information

Listed under TSCA – Toxic Substance Control Act, Listed on Canada DSL inventory list

15. Other information

This MSDS was prepared in accordance with OSHA 29 CFR 1910.1200 and EC Directives EC 91/155/EEC & 93/112/EC.

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