

# 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: **KURILEX L-111**
- 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](http://www.kuritaamerica.com)
- 1.4. Emergency Information: CHEMTREC – 1-800-424-9300

## 2. Composition / Information on Ingredients

Aqueous formulation based on Nitrite and Azole Compound

- 2.1. This product is composed of the following ingredients:
- |     |                |        |
|-----|----------------|--------|
| (a) | Sodium Nitrite | ( 25%) |
| (b) |                |        |
- 2.2. Characterization of important components according to 2.1.:
- |     | COMPONENT      | CAS-No.   |
|-----|----------------|-----------|
| (a) | Sodium Nitrite | 7632-00-0 |
| (b) |                |           |

## 3. Hazards Identification

Oxidizing substance, Irritating to skin, Explosive when mixed with ammonium salt or cyanide

## 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 highly toxic and irritating gases 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. Do not flush concentrated product to drain. 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 : Yellow Liquid  
8.2. Odor : None  
8.3. Physical State : Liquid  
8.4. pH Value : 6.5 – 8.5 (25°C)  
8.5. Vapor Pressure : No Data  
8.6. Vapor Density : No Data  
8.7. Boiling Point : 115°C  
8.8. Melting Point : N/A  
8.9. Solubility in Water : 100%  
8.10. Specific Gravity : 1.24 – 1.28 (20°C)  
8.11. Viscosity : No Data  
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 : Ammonium Salts, cyanide and reducing agents  
9.4. Hazardous Decomposition : Produces oxygen and toxic nitric gas

## 10. Toxicological Information

- 10.1. Inhalation 4hour LC50 = 1.45ppm in rats  
10.2. Oral LD50 = 120ppm in rats

## 11. Ecological Information

- 11.1. Aquatic toxicology – 96hour LC50, minnow >100ppm

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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         | : | 1500                             |
| 13.1.2. DOT Shipping Name       | : | Sodium Nitrite, aqueous solution |
| 13.1.3. Hazard Class            | : | 5.1 (Oxidizer)                   |
| 13.1.4. Subsidiary Risk (Class) | : | 6.1 (Inhalation Hazard)          |

### 13.2. IATA/ICAO:

- |                              |   |                                  |
|------------------------------|---|----------------------------------|
| 13.2.1. Hazard Class         | : | 5.1 (Oxidizer)                   |
| 13.2.2. Packing Group        | : | III                              |
| 13.2.3. Proper Shipping Name | : | Sodium Nitrite, aqueous solution |
| 13.2.4. ID/UN Number         | : | 1500                             |
| 13.2.5. IATA Label           | : | Inhalation Hazard                |

### 13.3. IMO:

- |                       |   |                |
|-----------------------|---|----------------|
| 13.3.1. Hazard Class  | : | 5.1 (Oxidizer) |
| 13.3.2. Packing Group | : | III            |

### 13.4. TDG (Canada):

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

## 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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