**UN-Number:** 2811  
**Class:**  
**Proper shipping name:** TOXIC SOLID, ORGANIC, N.O.S. (Fumarin)

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Identification:**  
- **Material:** TOXIC SOLID, ORGANIC, N.O.S. (Fumarin)  
- **UN-Number:** 2811

### 2. HAZARDS IDENTIFICATION

**Risk phrases:**  
- R48/25 - Toxic if swallowed.  
- R37/36/38 - Causes damage to organs through prolonged or repeated exposure.  
- R25 - Harmful if inhaled.  
- R36/37/38 - Causes damage to organs through prolonged or repeated exposure.  
- R52/53 - Very toxic by inhalation and in contact with skin.

**Hazard phrases:**  
- H412 - Causes serious eye damage.  
- H372 - Causes damage to organs through prolonged or repeated exposure.

**Acute toxicity, Oral (Category 3)**

**Chronic aquatic toxicity (Category 3)**

**Specific target organ toxicity - repeated exposure (Category 1)**

### 11. TOXICOLOGICAL INFORMATION

- Signs and Symptoms of Exposure:  
  - Ingestion: Toxic if swallowed. Toxic: danger of serious damage to health by prolonged exposure if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
  - Inhalation: No data available  
  - Skin: No data available  
  - Eyes: No data available

### 12. ECOLOGICAL INFORMATION

- Mobility in soil: No data available

### 13. DISPOSAL CONSIDERATIONS

- Disposal methods:  
  - Dispose of as unused product.
  - Contaminated packaging: In a chemical incinerator equipped with an afterburner and scrubber.

### 14. TRANSPORT INFORMATION

**Acute Tox:** 3  
**Chronic Tox.:** 3  
**Harmful:** 25  
**Toxic to aquatic:** 3

### 15. REGULATORY INFORMATION

- **Transport International Code:**  
  - ADR:  
  - RID:  
  - IMDG:  
  - IATA:  
  - ICAO:  

### 16. INCOMPATIBILITIES

- Avoid contact with strong oxidizing agents.

### 17. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Workplace air contamination limits:**  
  - Not regulated.

- **Personal protective equipment:**  
  - Eyewear: Chemical protective goggles.  
  - Face protective: Respiratory or skin protection.  
  - Skin protection: Suitable protective clothing.  

- **Respiratory protection:**  
  - General: Use personal protective equipment indicated by specific hazard classes in the label. Use respirators type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator.

- **Face protection:**  
  - Choose body protection according to the amount and concentration of the dangerous substance at the workplace.

### 18. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Colorless crystalline solid.
- **Boiling point:** > 212,00 °C - closed
- **Flash point:** > 212,00 °C - closed
- **Ignition temperature:** > 212,00 °C - closed
- **Insolubility:** Insoluble in water
- **Vapor pressure:** No data available

### 19. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Conditions to avoid:** Avoid contact with strong oxidizing agents.
- **Incompatible materials:** Strong oxidizing agents.
- **Decomposition:** May cause energetic release of flammable gases in fire.

### 20. CHEMICAL REACTIVITY

**R48/25 - Toxic if swallowed.**

**R25 - Harmful if inhaled.**

**R36/37/38 - Causes damage to organs through prolonged or repeated exposure.**

**R37/38 - Causes damage to organs through prolonged or repeated exposure.**

**R52/53 - Very toxic by inhalation and in contact with skin.**

**H412 - Causes serious eye damage.**

**H372 - Causes damage to organs through prolonged or repeated exposure.**

**Acute Tox:** 3  
**Chronic Tox.:** 3  
**Harmful:** 25  
**Toxic to aquatic:** 3

### 21. SAFETY INFORMATION

- **Precautionary statement(s):**  
  - P314 - In case of contact with eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
  - P376 - In case of contact with skin: Wash with soap and abundant water.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. If irritation persists, seek medical advice/attention.
  - P301+P330+P331 - IF IN EYES: If irritation persists, seek medical advice/attention.
  - P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 22. STORAGE AND DISPOSAL

- **Conditions for safe storage:**  
  - Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire environment must be avoided.
  - Avoid formation of dust and aerosols.
  - Precautions for safe handling:  
    - Avoid release to the environment. Refer to special instructions/ safety data (show the label where possible).
    - Wear suitable gloves.
  - Environmental precautions:  
    - Do not let product enter drains. Discharge into the aquatic environment must be avoided.
    - Evacuate personnel to safe areas.

### 23. SPILL RESPONSE

- **Personal protective equipment for fire-fighters:**  
  - Suitable extinguishing media: Water雾化.

### 24. TRANSPORT INFORMATION

- **Emergency response:**  
  - Calls for emergency assistance: Use a fire extinguisher.  
  - Call emergency services:  
    - Call a POISON CENTER/doctor/physician/chemist for treatment.  
    - Call a POISON CENTER/doctor/physician/chemist for treatment.

### 25. REGULATORY INFORMATION

- **WARRANTY:**  
  - No warranty is expressed or implied by the manufacturer or the sellers herein. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not cover all or any eventualities that may arise during transportation or handling of the product.}

### 26. ADDITIONAL INFORMATION

- **Service:**  
  - Any additional information:  
    - Safety, health and environmental protection:  
      - To prevent the spread of contamination, immediate action must be taken to recover the spilled material.  
      - The following precautionary measures should be taken:
        - Keep the material away from sources of ignition.  
        - Do not throw into the environment.  
        - Do not block drains or other openings.