

# Epolyly® (0201)

## MATERIALS SAFETY DATA SHEET

### 1.0 Identification Of the Substance and Company

Tradename: Epolyly®  
Company: Handary SA  
Brussels, Belgium  
Emergency No. +32 23 74 63 14  
E-mail: info@handary.com

### 2.0 Composition/Information on Ingredients

Product name : ε-Polylysine  
CAS number: 28211-04-3  
Molecular formula: (C<sub>6</sub>H<sub>11</sub>N<sub>3</sub>O)  
Ingredient: ε-Polylysine

### 3.0 Hazards Identification

This substance is considered to be non-hazardous for transport.

Emergency Overview: May cause irritation to skin, eyes and respiratory systems.

### 4.0 First Aid Measure

After inhalation: If inhaled, remove to fresh air. If necessary, get medical attention.

After contact with skin: In case of contact, immediately wash skin with soap and copious amounts of water. If irritation persists, call a physician.

After contact with eyes: In case of contact with eyes, wash with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

After Ingestion: If swallowed, wash out mouth with water provided person is conscious.  
Call a physician.

### 5.0 Fire-fighting Measures

Fire-fighting: Protective Equipment: Wear shell-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Suitable: Water spray, Dry chemical, Sandy soil, Carbon dioxide or appropriate foam.

Extinguishing media:

### 6.0 Accidental Release Measures

Procedures of Personal Precautions: Exercise appropriate precautions to minimize direct contact with skin and eyes.

Methods for cleaning up: Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### 7.0 Handling And Storage

Handling precaution: Wear appropriate protective clothing and chemical safety gloves. Avoid breathing dust.  
Avoid contact with eyes and skin. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: strong oxidizing agents. No smoking at working site.

Storage condition: Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: Strong oxidizing agents.

### 8.0 Exposure Controls/Personal Protection

Engineering Controls: Use ventilation equipment if available. Safety shower and eye bath.

#### Personal protective equipment

Respiratory: Government approved respirator if needed.

Eye: Wear chemical safety goggles if needed.

Clothing: Wear appropriate protective clothing.

Hand: Wear compatible chemical-resistant gloves.

Other Protect: No smoking, drinking and eating at working site. Wash thoroughly after handling.

### 9.0 Physical And Chemical Properties

Appearance: Milky yellow powder  
Odor: Weak odor  
Solubility: Easily soluble in water  
pH: 4.5-6.5

### 10.0 Stability And Reactivity

Stability: Stable under normal temperatures and pressures.  
Condition to Avoid: Moisture.

Materials to Avoid: Strong oxidizing agents.

Hazardous polymerization: Will not occur.

Hazardous Decomposition Products: CO, CO<sub>2</sub>, nitrogen oxides.

### 11.0 Toxicological Information

Toxicity Data: No data available.  
Route of Exposure: May cause irritation to skin, eyes and respiratory systems.

### 12.0 Ecological Information

No data available.

### 13.0 Disposal Considerations

Appropriate Method of Disposal of substance: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state and local environmental regulations.

### 14.0 Transport Information

DOT Hazard Class: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport. Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO: UN Number: Non-Hazardous for Sea Transport: Non-hazardous for sea transport. Non

### 15.0 Regulatory Information

EU Additional classification: S: 24/25  
Safety Statement: Avoid contact with skin and eyes.

### 16.0 Other Information

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this preparation. The information in this sheet does not represent analytical specifications, for which please refer to our technical data sheet.

