

# Safety Data Sheet

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Undecylenoyl Glycine

**Recommended Use of the Chemical and Restrictions on Use** Cosmetic applications.

**Supplier:** Chanjao Longevity Co., Ltd.  
**Street Address:** 50 Ramindra 14, Bangkok 10230 THAILAND

**Telephone Number:** +66 2 002 7 002  
**Emergency Telephone:** +66 2 002 7 002

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

## 2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

**Classification of the chemical:**  
Eye Damage - Category 1

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:  
Chronic Aquatic Toxicity - Category 3

**SIGNAL WORD:** DANGER



**Hazard Statement(s):**  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statement(s):**

**Prevention:**  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection.

**Response:**  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.

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**Storage:**

No storage statements.

**Disposal:**

P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

**Poisons Schedule (SUSMP):** None allocated.

## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

| Components           | CAS Number | Proportion | Hazard Codes     |
|----------------------|------------|------------|------------------|
| Undecylenoyl Glycine | 54301-26-7 | 80-100%    | H318, H412       |
| 10-Undecenoic acid   | 112-38-9   | 0-6%       | H315, H319, H412 |

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

**Inhalation:**

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:**

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water. If irritation occurs seek medical advice.

**Eye Contact:**

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre. Continue to wash with large amounts of water until medical help is available.

**Ingestion:**

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

**Indication of immediate medical attention and special treatment needed:**

Treat symptomatically. Can cause corneal burns.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

**Unsuitable Extinguishing Media:**

Water jet.

**Specific hazards arising from the chemical:**

Combustible solid. On burning will emit toxic fumes, including those of oxides of carbon.

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## **Special protective equipment and precautions for fire-fighters:**

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Keep containers cool with water spray. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Emergency procedures/Environmental precautions:**

Shut off all possible sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

### **Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:**

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling:**

Avoid skin and eye contact and breathing in dust.

Avoid handling which leads to dust formation. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards". Take precautionary measures against static discharges.

### **Conditions for safe storage, including any incompatibilities:**

Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters:** No value assigned for this specific material by Safe Work Australia. However, Workplace Exposure Standard(s) for particulates:

Dusts not otherwise classified: 8hr TWA = 10 mg/m<sup>3</sup>

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

### **Appropriate engineering controls:**

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

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## Individual protection measures, such as Personal Protective Equipment (PPE):

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, DUST MASK.



Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |  |
|---|--|
| <b>Physical state:</b>                  | Solid / Chunks   |
| <b>Colour:</b>                          | White / Light Straw                                      |
| <b>Odour:</b>                           | Characteristic   |
| <b>Odour Threshold:</b>                 | Not available  |
| <b>Solubility:</b>                      | Almost insoluble in water. Partially soluble in acetone. |
| <b>Specific Gravity:</b>                | Not available  |
| <b>Relative Vapour Density (air=1):</b> | Not available  |
| <b>Vapour Pressure (20 °C):</b>         | Not available  |
| <b>Flash Point (°C):</b>                | Not applicable   |
| <b>Flammability Limits (%):</b>         | Not available  |
| <b>Autoignition Temperature (°C):</b>   | >420   |
| <b>Melting Point/Range (°C):</b>        | 80   |
| <b>Boiling Point/Range (°C):</b>        | Not available  |
| <b>Decomposition Point (°C):</b>        | Not available  |
| <b>pH:</b>                              | Not available  |
| <b>Viscosity:</b>                       | Not available  |
| <b>Partition Coefficient:</b>           | 2.2  |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | No information available.   |
| <b>Chemical stability:</b>                 | Stable under normal conditions of use.  |
| <b>Possibility of hazardous reactions:</b> | Hazardous polymerisation will not occur.  |
| <b>Conditions to avoid:</b>                | Avoid exposure to heat, sources of ignition, and open flame. Avoid dust generation. |

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**Incompatible materials:** Incompatible with oxidising agents.

**Hazardous decomposition products:** Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing may result in irritation of the gastrointestinal tract.

**Eye contact:** A severe eye irritant. Contamination of eyes can result in permanent injury.

**Skin contact:** Contact with skin may result in irritation.

**Inhalation:** Breathing in dust may result in respiratory irritation.

**Acute toxicity:** No LD50 data available for the product.

**Skin corrosion/irritation:** Non-irritant. (1)

**Serious eye damage/irritation:** Causes serious eye damage. (1)

**Respiratory or skin sensitisation:** Not a skin sensitiser. (1)

**Chronic effects:** No information available for the product.

**Mutagenicity:** Non-mutagenic in AMES test. (1)

**Carcinogenicity:** No information available.

**Reproductive toxicity:** No information available.

**Specific Target Organ Toxicity (STOT) - single exposure:** No information available.

**Specific Target Organ Toxicity (STOT) - repeated exposure:** No information available.

**Aspiration hazard:** No information available.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Avoid contaminating waterways.

**Persistence/degradability:** Degree of Elimination: 62% (28 days) (1)  
The material is biodegradable. (1)

**Bioaccumulative potential:** This product shows a low bioaccumulation potential. (1)

**Mobility in soil:** Koc = 2.16 (1)

**Aquatic toxicity:** Harmful to aquatic organisms. May cause long lasting harmful effects to aquatic life.  
72hr EC50 (Algae): 10 - 100 mg/L (1)

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Log Octanol/Water Partition Coefficient: 2.2 (1)  
48hr EC50 (Daphnia magna): >100 mg/L (1)

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods:

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

### Classification:

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

### Classification of the chemical:

Eye Damage - Category 1

The following health/environmental hazard categories fall outside the scope of the Workplace Health and Safety Regulations:

Chronic Aquatic Toxicity - Category 3

### Hazard Statement(s):

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Poisons Schedule (SUSMP):** None allocated.

This material is new and has not been assessed in Australia. It is being used in quantities < 100 kg per annum under the provisions of subsection 21(4) of the Industrial Chemicals (Notification and Assessment) Act 1989 as amended.

## 16. OTHER INFORMATION

(1) Supplier Safety Data Sheet; 01/ 2012.

# Safety Data Sheet

**Reason(s) for Issue:**

5 Yearly Revised Primary SDS  
Alignment to GHS requirements  
Minor Text Changes

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace.