

## N5-ethyl-L-glutamine 3081-61-6 MSDS

### Section 1. IDENTIFICATION

L-Theanine

**Product name:**

### Section 2. HAZARDS IDENTIFICATION

**GHS classification**

Not classified

**PHYSICAL HAZARDS**

Not classified

**HEALTH HAZARDS**

Not classified

**ENVIRONMENTAL HAZARDS**

**GHS label elements, including precautionary statements**

None

**Pictograms or hazard symbols**

No signal word

**Signal word**

None

**Hazard statements**

None

**Precautionary statements:**

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

**Substance/mixture:**

L-Theanine

**Components:**

>98.0%(T)

**Percent:**

3081-61-6

**CAS Number:**

N-γ-Ethyl-L-glutamine , L-γ-Glutamylethylamide

**Synonyms:**

C7H14N2O3

**Chemical Formula:**

### Section 4. FIRST AID MEASURES

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Inhalation:**

Get medical advice/attention if you feel unwell.

Remove/Take off immediately all contaminated clothing. Rinse skin with

**Skin contact:**

water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Rinse cautiously with water for several minutes. Remove contact lenses, if present

**Eye contact:**

and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell. Rinse mouth.

**Ingestion:**

A rescuer should wear personal protective equipment, such as rubber gloves and air-

**Protection of first-aiders:**

tight goggles.

## **Section 5. FIRE-FIGHTING MEASURES**

Dry chemical, foam, water spray, carbon dioxide.

**Suitable extinguishing**

**media:**

Take care as it may decompose upon combustion or in high temperatures to

**Specific hazards arising**

generate poisonous fume.

**from the chemical:**

**L-Theanine**

## **Section 5. FIRE-FIGHTING MEASURES**

**Precautions for firefighters: Fire-extinguishing work is done from the windward and the suitable fire-extinguishing**

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

When extinguishing fire, be sure to wear personal protective equipment.

**Special protective**

**equipment for firefighters:**

## **Section 6. ACCIDENTAL RELEASE MEASURES**

Use personal protective equipment. Keep people away from and upwind of spill/leak.

**Personal precautions,**

**protective equipment and Entry to non-involved personnel should be controlled around the leakage area by**

**emergency procedures: roping off, etc.**

**Environmental precautions: Prevent product from entering drains.**

**Methods and materials for Sweep dust to collect it into an airtight container, taking care not to disperse it.**

**containment and cleaning Adhered or collected material should be promptly disposed**

**of, in accordance with  
up: appropriate laws and regulations.**

## **Section 7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Handling is performed in a well ventilated place. Wear suitable protective equipment.

### **Technical measures:**

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a local exhaust if dust or aerosol will be generated.

**Advice on safe handling: Avoid contact with skin, eyes and clothing.**

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

Keep container tightly closed. Store in a cool and dark place.

### **Storage conditions:**

Store away from incompatible materials such as oxidizing agents.

Comply with laws.

### **Packaging material:**

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

Install a closed system or local exhaust as possible so that workers should not be

### **Engineering controls:**

exposed directly. Also install safety shower and eye bath.

### **Personal protective equipment**

**Respiratory protection: Dust respirator. Follow local and national regulations.**

Protective gloves.

### **Hand protection:**

Safety glasses. A face-shield, if the situation requires.

### **Eye protection:**

**Skin and body protection: Protective clothing. Protective boots, if the situation requires.**

## **Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Solid

### **Physical state (20°C):**

Crystal- Powder

### **Form:**

White - Almost white

### **Colour:**

No data available

### **Odour:**

**pH: No data available**

**Melting point/freezing point:207°C**

No data available

### **Boiling point/range:**

No data available

**Flash point:**

**Flammability or explosive**

**limits:**

No data available

**Lower:**

No data available

**Upper:**

No data available

**Relative density:**

**Solubility(ies):**

Soluble

**[Water]**

**[Other solvents]**

Ether, Alcohols

**Insoluble:**

**L-Theanine**

## Section 10. STABILITY AND REACTIVITY

Stable under proper conditions.

**Chemical stability:**

No special reactivity has been reported.

**Possibility of hazardous**

**reactions:**

**Incompatible materials: Oxidizing agents**

**Hazardous decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>)**

**products:**

## Section 11. TOXICOLOGICAL INFORMATION

No data available

**Acute Toxicity:**

No data available

**Skin corrosion/irritation:**

No data available

**Serious eye**

**damage/irritation:**

No data available

**Germ cell mutagenicity:**

**Carcinogenicity:**

No data available

**IARC =**

No data available

**NTP =**

No data available

**Reproductive toxicity:**

**Section 12. ECOLOGICAL INFORMATION**

**Ecotoxicity:**

No data available

**Fish:**

No data available

**Crustacea:**

No data available

**Algae:**

**Persistence / degradability: No data available**

No data available

**Bioaccumulative**

**potential(BCF):**

**Mobility in soil**

No data available

**Log Pow:**

No data available

**Soil adsorption (Koc):**

No data available

**Henry's Law**

**constant(PaM<sup>3</sup>/mol):**

**Section 13. DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

**Section 14. TRANSPORT INFORMATION**

Does not correspond to the classification standard of the United Nations

**Hazards Class:**

Not listed

**UN-No:**

**Section 15. REGULATORY INFORMATION**

**Safe management ordinance of dangerous chemical product (State Council announces on January 26, 2002**

**and revised on February 16,2011): Safe use and production, the storage of a dangerous chemical, transport,**

loading and unloading were prescribed.

**L-Theanine**

**SECTION 16 - ADDITIONAL INFORMATION**

N/A