

**1. PRODUCT AND COMPANY IDENTIFICATION:**

<b>PRODUCT CODE</b>	A0271
<b>PRODUCT NAME</b>	ALLYL CYCLOHEXYL PROPIONATE
<b>SUPPLIER</b>	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

**2. HAZARD IDENTIFICATION:**

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 2
<b>Environmental hazards</b>	Not classified.	

**Label elements**



**Signal word**  
Warning

<b>Hazard statement</b>	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

**Precautionary statement**  
**Prevention**

P264 -	Wash thoroughly after handling.
P270 -	Do not eat, drink or smoke when using this product.
P280 -	Wear protective gloves/protective clothing.

**Response**

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P321 - Specific treatment (see this label).

P330 - Rinse mouth.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

**Storage**

Not available.

**Disposal**

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

None.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS:****Substances**

Hazardous components Chemical name	Common name and synonyms	CAS number	%
ALLYL CYCLOHEXYL PROPIONATE	Allyl 3-cyclohexylpropionate prop-2-enyl 3-cyclohexylpropanoate 2 propenyl cyclohexane propanoate ALLYL CYCLOHEXANEPROPIONATE Cyclohexanepropanoic acid, 2-propen-1-yl ester	2705-87-5	100

**4. FIRST-AID GUIDE:****Inhalation**

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.

**Skin contact**

Take off immediately all contaminated clothing. Get medical attention if irritation develops or persists. Wash skin thoroughly with soap and water for several minutes.

**Eye contact**

Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.

**Ingestion**

Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

**Most important symptoms/effects, acute and delayed**

Irritant effects.

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

Not available.

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**5. FIRE-FIGHTING GUIDE:****Suitable extinguishing media**

Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

Fire may produce irritating, corrosive and/or toxic gases.

**Special protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires.

**Fire-fighting equipment/instructions**

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

**Specific methods**

Use water spray to cool unopened containers.

**General fire hazards**

Static charges generated by emptying package in or near flammable vapor may cause flash fire.

## 6. ACCIDENTAL RELEASE GUIDE:

### **Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.

### **Methods and materials for containment and cleaning up**

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. Collect and dispose of spillage as indicated in section 13 of the SDS.

### **Environmental precautions**

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Retain and dispose of contaminated wash water.

## 7. HANDLING AND STORAGE:

### **Precautions for safe handling**

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid prolonged exposure.

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

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

## 8. EXPOSURE AND PERSONAL PROTECTION:

### **Occupational exposure limits**

No exposure limits noted for ingredient(s).

### **Biological limit values**

No biological exposure limits noted for the ingredient(s).

### **Appropriate engineering controls**

Use explosion-proof ventilation equipment to stay below exposure limits.

### **Individual protection measures, such as personal protective equipment**

#### **Eye/face protection**

Wear safety glasses with side shields (or goggles).

#### **Skin protection**

**Hand protection**

Chemical resistant gloves.

**Other**

Not available.

**Respiratory protection**

Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.

**Thermal hazards**

Not available.

**General hygiene considerations**

When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash hands before breaks and immediately after handling the product.

Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	Refer to Spec Sheet
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Refer to Spec Sheet
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	507.2 - 509 °F (264 - 265 °C) at 760.00 mmHg
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not available.
<b>Flammability limit – upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0 kPa at 25 °C 0.01 mm Hg at 25 °C
<b>Vapor density</b>	6.8
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble

<b>Partition coefficient(n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Flammability class</b>	Combustible IIIB estimated
<b>Molecular formula</b>	C12H20O2
<b>Molecular weight</b>	296.32 g/mol
<b>Specific gravity</b>	0.95

## 10. STABILITY AND REACTIVITY:

### Reactivity

Not available.

### Chemical stability

Not available.

### Possibility of hazardous reactions

Not available.

### Conditions to avoid

Not available.

### Incompatible materials

Not available.

### Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated.

## 11. TOXICOLOGICAL INFORMATION:

### Information on likely routes of exposure

#### Ingestion

Harmful if swallowed.

#### Inhalation

Not available.

#### Skin contact

Harmful in contact with skin.

#### Eye contact

Causes mild eye irritation.

### Symptoms related to the physical, chemical and toxicological characteristics

Irritant effects.

### Information on toxicological effects

#### Acute toxicity

Product	Species	Test Results
ALLYL CYCLOHEXYL PROPIONATE (CAS 2705-87-5)		
Acute Dermal LD50	Rabbit	1600 mg/kg
Oral LD50	Guinea pig Rat	380 mg/kg 600 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Skin and Appendages: Other: Hair.

\* Estimates for product may be based on additional component data not shown.

#### Skin corrosion/irritation

Causes skin irritation.

#### Serious eye damage/eye irritation

Due to lack of data the classification is not possible.

#### Respiratory or skin sensitization

##### Respiratory sensitization

Due to lack of data the classification is not possible.

##### Skin sensitization

Humans: No sensitizing effect @ 4%

#### Germ cell mutagenicity

Due to lack of data the classification is not possible.

#### Carcinogenicity

Due to lack of data the classification is not possible.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### Reproductive toxicity

Due to lack of data the classification is not possible.

#### Specific target organ toxicity - single exposure

Due to lack of data the classification is not possible.

#### Specific target organ toxicity - repeated exposure

Due to lack of data the classification is not possible.



**Aspiration hazard**

Due to lack of data the classification is not possible.

**12. ECOLOGICAL INFORMATION:****Ecotoxicity**

No ecotoxicity data noted for the ingredient(s).

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL RECOMMENDATIONS:****Disposal instructions**

Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code**

Not established.

**Waste from residues / unused products**

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORTATION INFORMATION:**

<b>ADN</b>	Not regulated as dangerous goods.
<b>ADR</b>	Not regulated as dangerous goods.
<b>RID</b>	Not regulated as dangerous goods.



<b>DOT BULK</b>	Not regulated as dangerous goods.
<b>DOT NON-BULK</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.

## 15. REGULATORY INFORMATION:

### US federal regulations

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories Immediate

Hazard - Yes

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard – No

#### SARA 302 Extremely hazardous substance

Not listed.

#### SARA 311/312 Hazardous chemical

Yes

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

**US state regulations****US. Massachusetts RTK - Substance List**

Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65****US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. OTHER INFORMATION:

### HMIS® ratings

Health: 2

Flammability: 1

Physical hazard: 0

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**Prepared By:** M&U International LLC

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