



## 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT CODE** A0004

**PRODUCT NAME** ALLYL HEPTANOATE

**COMPANY NAME** M & U International LLC.  
31 Readington Road  
Branchburg, NJ 08876  
(908) 359 - 9000  
[Sales.us@mu-intel.us](mailto:Sales.us@mu-intel.us)

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

## 2. HAZARD IDENTIFICATION:

### Classification of the substance or mixture:

This substance is classified and labeled according to the Globally Harmonized System (GHS).

Flammable liquids	Category 4
Acute toxicity, oral	Category 3
Acute toxicity, dermal	Category 3
Skin corrosion/irritation	Category 2
Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, long term hazard	Category 1

### GHS label elements

#### Pictogram



Signal word            Danger

#### Hazard Statement(s)

H227            Combustible liquid.

H301+H311    Toxic if swallowed or in contact with skin.

H315            Causes skin irritation.

H400            Very toxic to aquatic life.

H410            Very toxic to aquatic life with long lasting effects.

#### Precautionary Statement(s)

P210            Keep away from heat, hot surfaces, sparks, open flames and other ignition

	sources. No smoking.
P264	Wash thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of water.
P312	Call a POISON CENTER/doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage
P403	Store in well-ventilated place.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/ national/ international regulations.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS:

**Chemical characterization: Substances**

**CAS No.:** 142-19-8

**Description:** ALLYL HEPTANOATE

**Identification number(s)**

**EC No.:** 205-527-1

### 4. FIRST-AID GUIDE:

**Description of first aid measures**

**After 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.

**After skin contact:**

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

**After 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.

**After swallowing:**

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.

**Information for doctor:**

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

No further relevant information available.

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

No further relevant information available.

**5. FIRE-FIGHTING GUIDE:**

**Extinguishing media**

**Suitable extinguishing agents:**

Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam. Do NOT use water jet.

**Special hazards arising from the substance or mixture**

Carbon oxides

**Advice for firefighters**

**Protective equipment:**

Wear self-contained breathing apparatus for firefighting if necessary.

**Additional information**

Use water spray to cool unopened containers.

**6. ACCIDENTAL RELEASE GUIDE:**

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

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

**Environmental precautions:**

Retain and dispose of contaminated wash water. 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.

**Methods and material for containment and cleaning up:**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE:

### **Handling:**

#### **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 contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

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

##### **Storage:**

#### **Requirements to be met by storerooms and receptacles:**

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:

### **Control parameters**

#### **Components with limit values that require monitoring at the workplace:**

Contains no substances with occupational exposure limit values.

### **Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment:**

##### **General protective and hygienic measures:**

Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

##### **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

##### **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material should be based

on consideration of the penetration times, rates of diffusion and the degradation

### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

### Penetration time of glove material

The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

### Eye protection:



Tightly sealed goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Information on basic physical and chemical properties

<b>General Information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Color:</b>	Colorless, clear
<b>Odor:</b>	Not determined
<b>Odor threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined
<b>Boiling point/Boiling range:</b>	410 °F (210 °C)
<b>Flash point:</b>	Not determined
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Not determined
<b>Explosion limits:</b>	
<b>Lower:</b>	
<b>Upper:</b>	
<b>Vapor pressure:</b>	0.16 mm Hg at 20 °C
<b>Density at 20 °C (68 °F):</b>	Not determined.
<b>Relative density</b>	Not determined
<b>Vapor density</b>	5.9
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Insoluble

<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Organic solvents:</b>	Not determined.
<b>Other information</b>	No further relevant information available.

## 10. STABILITY AND REACTIVITY:

### Reactivity

Not applicable.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

### Incompatible materials:

Strong oxidizing agents

### Hazardous decomposition products:

Carbon oxides

## 11. TOXICOLOGICAL INFORMATION:

### Information on toxicological effects

#### Acute toxicity:

LD50 Oral - Rat - 218 mg/kg

LD50 Dermal-Rabbit-810 mg/kg

#### Primary irritant effect:

##### On the skin:

Causes skin irritation.

Skin - Human - Mild skin irritation - 48 h

Skin - rabbit - Moderate skin irritation - 24 h

Humans: No skin irritation @ 2%

##### On the eye:

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

**Sensitization:**

Not applicable.

**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)**

Substance is not listed.

**NTP (National Toxicology Program)**

Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

**Additional Information**

No data available

**12. ECOLOGICAL INFORMATION:****Toxicity****Aquatic toxicity:**

Acute

Crustacea EC50 Daphnia magna 0.89 mg/l, 48 hours OECD 202/ ISO 6341

Fish LC50 Fish 0.655 mg/l, 96 hours

**Persistence and degradability**

Not readily biodegradable.

40%/28 d, OECD 301D

Readily biodegradable.

83%/34 d, OECD 301F

Readily biodegradable.

92%/28 d, OECD 301B

**Behavior in environmental systems:****Bioaccumulative potential**

123.4, (calculated)

**Mobility in soil**

Not applicable.

**Results of PBT and vPvB assessment****PBT:**

Not applicable.

**vPvB:**

Not applicable.

**Other adverse effects**

No data available.

**13. DISPOSAL RECOMMENDATIONS:****Waste treatment methods****Product**

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.

**Contaminated packaging**

Dispose of as an unused product.

**14. TRANSPORTATION INFORMATION:**

<b>DOT BULK (US)</b> <b>UN Number:</b> <b>Class:</b> <b>Packing group:</b> <b>Proper shipping name:</b>  <b>Reportable quantity:</b> <b>Marine Pollutant:</b>	 2810 6.1 III TOXIC LIQUID, ORGANIC, N.O.S. (ALLYL HEPTOATE)  Yes
<b>IMDG</b> <b>UN number:</b> <b>Class:</b> <b>Packing group:</b> <b>EMS No.:</b> <b>Proper shipping name:</b>  <b>Marine pollutant:</b>	 2810 6.1 III  TOXIC LIQUID, ORGANIC, N.O.S. (ALLYL HEPTOATE) Yes
<b>IATA</b> <b>UN number:</b> <b>Class:</b> <b>Packing group:</b> <b>Proper shipping name:</b>	 2810 6.1 III TOXIC LIQUID, ORGANIC, N.O.S. (ALLYL HEPTOATE)
<b>DOT NON-BULK</b> <b>UN Number:</b> <b>Class:</b> <b>Packing Group:</b> <b>Proper shipping name:</b>	 <b>2810</b> <b>6.1</b> <b>III</b> TOXIC LIQUID, ORGANIC, N.O.S. (ALLYL HEPTOATE)



<b>Marine Pollutant:</b>	No
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## 15. REGULATORY INFORMATION:

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **Sara**

##### **Section 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### **Section 311/312 (hazardous chemical):**

Yes

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)

Skin corrosion or irritation.

##### **Section 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

##### **TSCA (Toxic Substances Control Act):**

Substance is not listed.

##### **Proposition 65**

##### **Chemicals known to cause cancer:**

Substance is not listed.

##### **Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

##### **Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

##### **Chemicals known to cause developmental toxicity:**

Substance is not listed.

##### **Carcinogenic categories**

##### **EPA (Environmental Protection Agency)**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

**Pennsylvania Right to Know Components**

ALLYL HEPTANOATE

Cas No.: 142-19-8

**New Jersey Right to Know Components**

ALLYL HEPTANOATE

Cas No.: 142-19-8

**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION:**

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

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

**REVISED:** 8/8/2023