

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE A0003
PRODUCT NAME ALLYL HEXANOATE
SUPPLIER M & U International LLC.
31 Readington Rd.
Branchburg, NJ 08876
908-359-9000
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)	H227
Acute toxicity, Oral (Category 3)	H301
Acute toxicity, Dermal (Category 3)	H311
Short-term (acute) aquatic hazard (Category 2)	H401
Long-term (chronic) aquatic hazard (Category 2)	H411

GHS label elements

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms

Pictogram



Signal word

Danger

Hazard statements

H227	Combustible liquid.
H301 + H311	Toxic if swallowed or in contact with skin.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
------	---

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391	Collect spillage.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Chemical characterization: Substances

CAS No.: 123-68-2

Description: ALLYL HEXANOATE

Identification number(s)

EC No.: 204-642-4

4. FIRST-AID GUIDE:

Description of first aid measures

After inhalation:

Supply fresh air. In case of unconsciousness place patient stably in side position for transportation. Call a doctor if symptoms develop or persist. Move out of dangerous area.

After skin contact:

Wash off with soap and plenty of water. Consult a physician if you feel unwell.

After eye contact:

Rinse opened eye for several minutes under running water. Consult a physician if you feel unwell.

After swallowing:

If swallowed rinse mouth with water (only if person is conscious). If symptoms persist consult doctor.

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, CO₂, 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 fire fighting if necessary.

Additional information

Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE GUIDE:**Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and material for containment and cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:**Handling:****Precautions for safe handling**

Use with local exhaust ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition – No smoking. Take measures to prevent the buildup of electrostatic charge.

Conditions for safe storage, including any incompatibilities

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

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 work day.

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

General Information	
Appearance:	
Form:	Liquid
Color:	Colorless
Odor:	Not determined.
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	75 - 76 °C (167 - 169 °F) at 20 hPa - lit.
Flash point:	66 °C (151 °F) - closed cup
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	Not determined
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Not determined
Explosion limits:	
Lower:	
Upper:	
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Organic solvents:	Not determined.
Other information	No further relevant information available.

10. STABILITY AND REACTIVITY:

Reactivity

Not applicable.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials:

Oxidizing agents, Strong bases, Reducing agents, Metals

Hazardous decomposition products:

Carbon oxides

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity:

LD50 Oral - Rat - 218 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity).

LD50 Dermal - Rabbit - 300 mg/kg

Primary irritant effect:

On the skin:

Not applicable.

On the eye:

Not applicable.

Sensitization:

No sensitizing effects known.

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

RTECS: MO6125000

Ingestion may cause stomach irregularities.

12. ECOLOGICAL INFORMATION:

Toxicity

Aquatic toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 2.0 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 2 mg/l - 48 h

Persistence and degradability

Biodegradability Result: - According to the results of tests of biodegradability this product is not readily biodegradable.

Behavior in environmental systems:

Bioaccumulative potential

Not applicable.

Mobility in soil

Not applicable.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

13. DISPOSAL RECOMMENDATIONS:

Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as an unused product.

14. TRANSPORTATION INFORMATION:

DOT (US) UN Number: Class: Packing group: Proper shipping name: Reportable quantity: Poison inhalation hazard:	 2810 6.1 III Toxic liquid, organic, n.o.s. (allyl hexanoate) No
IMDG UN number: Class: Packing group: EMS No.: Proper shipping name: Marine pollutant:	 2810 6.1 III F-A, S-A Toxic liquid, organic, n.o.s. (allyl hexanoate) Yes
IATA UN number: Class: Packing group: Proper shipping name:	 2810 6.1 III Toxic liquid, organic, n.o.s. (allyl hexanoate)

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):

Acute health hazard, fire hazard.

Section 313 Components

The following components are subject to 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 HEXANOATE

Cas No.: 123-68-2

New Jersey Right to Know Components

ALLYL HEXANOATE

Cas No.: 123-68-2

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:8/8/23

