

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT CODE A0004
PRODUCT NAME ALLYL HEPTANOATE
SUPPLIER Shanghai M & U International Trade Co., Ltd.
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FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)

2. HAZARD IDENTIFICATION:

Classification of the substance or mixture



GHS06 Skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Toxic
Toxic by inhalation



Harmful
Harmful in contact with skin and if swallowed.



Irritant
Irritating to eyes.



Dangerous for the environment
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Information concerning particular hazards for human and environment

Not applicable

Label elements

GHS label elements

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

Hazard pictograms



GHS06

Signal word

Danger

Hazard-determining components of labeling:

allyl heptanoate

Hazard statements

Toxic if swallowed.

Causes serious eye irritation

Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Specific treatment (see on this label)

If eye irritation persists: Get medical advice/attention

Store locked up

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

Classification system

NFPA ratings (scale 0 - 4)



Health = 3

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 3

Fire = 2

Reactivity = 0

Other hazards

Results of PBT and vPvB assessment

PBT

Not applicable

vPvB

Not applicable

3. COMPOSITION AND INFORMATION ON INGREDIENTS:

Chemical characterization: Substances

CAS No. Description

142-19-8 allyl heptanoate

identification number(s)

EC number

205-527-1

4. FIRST-AID GUIDE:

Description of first aid measures

General information

Immediately remove any clothing soiled by the product

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least

48 hours after the accident

Remove breathing apparatus only after contaminated clothing have been completely removed

In case of irregular breathing or respiratory arrest provide artificial respiration

After inhalation

Supply fresh air or oxygen; call for doctor

In case of unconsciousness place patient stably in side position for transportation

After skin contact

Immediately wash with water and soap and rinse thoroughly

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor

After swallowing

Immediately call a 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

CO2 or extinguishing powder. Fight larger fires with alcohol resistant foam

Special hazards arising from the substance or mixture

No further relevant information available

Advice for firefighters

Protective equipment:

Mouth respiratory protective device

Additional information

Cool endangered receptacles with water spray

Collect contaminated firefighting water separately. It must not enter the sewage system

6. ACCIDENTAL RELEASE GUIDE:

Personal precautions, protective equipment and emergency procedures

Not required

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system

Do not allow to enter sewers/ surface or ground water

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Dispose contaminated material as waste according to item 13

Ensure adequate ventilation

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

7. HANDLING AND STORAGE:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace

Open and handle receptacle with care

Information about protection against explosions and fires

Keep respiratory protective device available

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles

No special requirements

Information about storage in one common storage facility

Not required

Further information about storage conditions

Keep receptacle tightly sealed

Specific end use(s)

No further relevant information available

8. EXPOSURE AND PERSONAL PROTECTION:

Additional information about design of technical systems

No further data; see item 7

Control parameters

Components with limit values that require monitoring at the workplace

Not required

Additional information

The lists that were valid during the creation were used as a basis

Exposure controls

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
Store protective clothing separately
Avoid contact with the eyes
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 to pale yellow
Odor	Wine, Banana
Odor threshold	Not determined
pH-value	Not determined
Change in condition	
Melting point/Melting range	Undetermined
Boiling point/Boiling range	210 °C (410 °F)
Flash point	83 °C (181 °F)
Flammability (solid, gaseous)	Not applicable
Ignition temperature	
Decomposition temperature	Not determined
Auto igniting	Not determined
Danger of explosion	Product does not present an explosion hazard
Explosion limits	
Lower	Not determined
Upper	Not determined
Vapor pressure	Not determined
Density at 20 °C (68 °F)	0.885 g/cm ³ (7.385 lbs/gal)
Relative density	Not determined
Vapor 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	0.0 %

Other information

No further relevant information available

10. STABILITY AND REACTIVITY:

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications

Possibility of hazardous reactions

No dangerous reactions known

Conditions to avoid

No further relevant information available

Incompatible materials

No further relevant information available

Hazardous decomposition products

No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION:

Information on toxicological effects

Acute toxicity

Primary irritant effect

On the skin

No irritant effect

On the eye

Irritating effect

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

12. ECOLOGICAL INFORMATION:

Toxicity**Aquatic toxicity**

No further relevant information available

Persistence and degradability

No further relevant information available

Bioaccumulative potential

No further relevant information available

Mobility in soil

No further relevant information available

Ecotoxicological effects**Remark**

Very toxic for fish

Additional ecological information**General notes**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities

Danger to drinking water if even extremely small quantities leak into the ground

Also poisonous for fish and plankton in water bodies

Very toxic for aquatic organisms

Results of PBT and vPvB assessment**PBT**

Not applicable

vPvB

Not applicable

Other adverse effects

No further relevant information available


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


Must not be disposed of together with household garbage. Do not allow product to reach sewage system

Un cleaned packaging**Recommendation**

Disposal must be made according to official regulations

14. TRANSPORTATION INFORMATION:

UN-Number	UN2810
DOT, ADR, IMDG, IATA	
UN proper shipping name	
DOT	Toxic, liquids, organic, n.o.s.
ADR	2810 Toxic, liquids, organic, n.o.s.
IMDG, IATA	TOXIC LIQUID, ORGANIC, N.O.S.
Transport hazard class (es)	
DOT, IMDG, IATA	
	
Class	6.1 Toxic substances

ADR	
	
Class	6.1 (T1) Toxic substances
Packing group	
DOT, ADR, IMDG, IATA	III
Environmental hazards	
Marine pollutant	No
Special precautions for user	Warning: Toxic substances
EMS Number	F-A,S-A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information	

ADR	
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

15. REGULATORY INFORMATION:

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

Sara

Section 355 (extremely hazardous substances)

Substance is not listed

Section 313 (Specific toxic chemical listings)

Substance is not listed

TSCA (Toxic Substances Control Act)

Substance is 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

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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

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