

Issue date 19-Aug-2014

Revision date 19-Aug-2014

Version 1

### 1. Identification of the Substance/Preparation and of the Company/Undertaking

**Product Identifier**

**Product name** Allyl Caproate

**Other means of identification**

**UN/ID no** 2810

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Industry Use.

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address**

Charkit Chemical Company, LLC.  
32 Haviland Street, Unit 1  
Norwalk, CT 06854

**Emergency Telephone Number**

**Company Phone Number** Use CHEMTREC instead of Emergency Phone Number

**24 Hour Emergency Phone Number** (800) 424-9300; International +1 703-527-3887

### 2. Hazards Identification

**Classification**

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 3
Serious eye damage/eye irritation	Category 2A

**Label Elements**

#### EMERGENCY OVERVIEW

**Danger**

**Hazard statements**

Toxic if swallowed  
Toxic in contact with skin  
Causes serious eye irritation  
Very toxic to aquatic life  
Harmful to aquatic life with long lasting effects



**Appearance** Colorless to Pale Yellow

**Physical State** liquid

**Odor** Characteristic Odor

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid release to the environment

**Precautionary Statements - Response**

Specific treatment (see .? on this label)  
 Specific measures (see .? on this label)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 Remove/Take off immediately all contaminated clothing  
 Wash contaminated clothing before reuse  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Rinse mouth  
 Collect spillage

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****OTHER INFORMATION**

- Causes mild skin irritation
  - Harmful to aquatic life with long lasting effects
  - Harmful to aquatic life
- 0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/information on Ingredients

Chemical name	CAS No	weight-%	Trade secret
ALLYL CAPROATE	123-68-2	100	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. Consult a physician if necessary.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Use CO<sub>2</sub>, dry chemical, or foam.

**Unsuitable extinguishing media** .

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

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

**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Cover liquid spill with sand, earth or other non-combustible absorbent material. Sweep up and shovel into suitable containers for disposal.

**7. Handling and Storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**8. Exposure Controls/Personal Protection****Control parameters**

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

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

**Eye/face Protection**                      Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin and Body Protection**                Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**                    If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations**        Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties****Information on basic physical and chemical properties**

<b>Physical State</b>	liquid	<b>Odor</b>	Characteristic Odor
<b>Appearance</b>	Colorless to Pale Yellow	<b>Odor threshold</b>	not applicable
<b>Color</b>	not applicable		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	not applicable	
<b>Melting point/freezing point</b>	-22.0 °C	
<b>Boiling point / boiling range</b>	189 °C	
<b>Flash Point</b>	63 °C / 150 °F	
<b>Evaporation Rate</b>	not applicable	
<b>Flammability (solid, gas)</b>	not applicable	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	not applicable	
<b>Lower flammability limit:</b>	not applicable	
<b>Vapor pressure</b>	0.3	
<b>Vapor Density</b>	not applicable	
<b>Specific gravity</b>	0.884	
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	not applicable	Soluble in Alcohol
<b>Partition coefficient</b>	not applicable	
<b>Autoignition Temperature</b>	not applicable	
<b>Decomposition temperature</b>	not applicable	
<b>Kinematic viscosity</b>	not applicable	
<b>Dynamic viscosity</b>	not applicable	
<b>Explosive properties</b>	not applicable	
<b>Oxidizing properties</b>	not applicable	

**OTHER INFORMATION**

<b>Softening point</b>	not applicable
<b>Molecular weight</b>	not applicable
<b>VOC content (%)</b>	not applicable
<b>Density</b>	not applicable
<b>Bulk Density</b>	not applicable

**10. Stability and Reactivity**

**Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

<b>11. Toxicological Information</b>
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**Information on likely routes of exposure**

<b>Product Information</b>	no data available
<b>Inhalation</b>	no data available.
<b>Eye Contact</b>	no data available.
<b>Skin contact</b>	no data available.
<b>Ingestion</b>	no data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ALLYL CAPROATE 123-68-2	= 218 mg/kg ( Rat )	= 300 mg/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
The following values are calculated based on chapter 3.1 of the GHS document .

<b>12. Ecological Information</b>
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**Ecotoxicity**

No information available

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
ALLYL CAPROATE 123-68-2		30: 96 h Carassius auratus mg/L LC50		

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

### 13. Disposal Considerations

**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container.

### 14. Transport Information

**DOT**

UN/ID no 2810  
 Proper Shipping Name Toxic Liquid, Organic, N.O.S.  
 Hazard Class 6.1

UN/ID no 2810  
 Proper Shipping Name Toxic Liquid, Organic, N.O.S.  
 Hazard Class 6.1  
 Packing group III

UN/ID no 2810  
 Proper Shipping Name Toxic Liquid, Organic, N.O.S.  
 Hazard Class 6.1  
 Packing group III  
 EmS-No F-A, S-A

UN/ID no 2810  
 Proper Shipping Name Toxic Liquid, Organic, N.O.S.  
 Hazard Class 6.1  
 Packing group III

UN/ID no 2810  
 Proper Shipping Name Toxic Liquid, Organic, N.O.S.  
 Hazard Class 6.1  
 Tunnel restriction code IB3, T7, TP1, TP28

### 15. Regulatory information

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations****U.S. EPA Label information**

**EPA Pesticide registration number** not applicable

**16. Other information**

<b>NFPA</b>	<b>Health Hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and chemical properties</b> -
<b>HMIS</b>	<b>Health Hazards</b> 0	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> X

**Issue date** 19-Aug-2014  
**Revision date** 19-Aug-2014  
**Revision note**  
 No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

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