

SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision number: 3

Revision date: 04/11/2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Allyl Acetate
Product code: 52521

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Reagents.

1.3 Details of the supplier of the safety data sheet

Supplier: Company : Aaron Chemistry GmbH, Am Fischweiher 41-43
: D-82481 Mittenwald, Germany
Telephone: : +49-8823-917521
Fax: : +49-8823-917523
email: : info@aaron-chemistry.de
Emergency telephone number : +49-8823-917521

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Flammable liquids	Category 2
Acute toxicity (Oral)	Category 3
Acute toxicity (Dermal)	Category 4
Acute toxicity (Inhalation)	Category 3
Serious eye damage/eye irritation	Category 2

2.2 Label elements

Pictograms or hazard symbols



Signal word

Danger

Hazard statements

H225-Highly flammable liquid and vapour.
H312-Harmful in contact with skin.
H301+H331-Toxic if swallowed or if inhaled.
H319-Causes serious eye irritation.

Precautionary statements

P261-Avoid breathing mist, vapours or spray.
P301+P310+P330-IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth.
P302+P352+P312+P362+P364-IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.
P304+P340+P311-IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.
P305+P351+P338+P337+P313-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 or attention.
P370+P378-In case of fire: Use dry chemical or dry sand to extinguish.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable
vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances	
Components:	Allyl Acetate
Percent:	>97.0%(GC)
CAS RN:	591-87-7
EC-No:	209-734-8
Synonyms:	Acetic Acid Allyl Ester
Chemical Formula:	C ₅ H ₈ O ₂

SECTION 4: First aid measures

4.1 Description of first aid measures	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
Skin contact:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact:	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.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed
No data available

4.3 Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media:	Dry chemical, foam, carbon dioxide.
Unsuitable extinguishing media:	Water (It may scatter and spread fire.)
5.2 Special hazards arising from the substance or mixture	Carbon dioxide, Carbon monoxide
5.3 Advice for firefighters	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc
6.2 Environmental precautions	Prevent product from entering drains
6.3 Methods and materials for containment and cleaning up	Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.
6.4 Reference to other sections	For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Keep away from heat/sparks/open flame/hot surfaces. -No smoking. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling. Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated. Avoid contact with skin, eyes and clothing.
7.2 Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in an explosion-proof refrigerator. Store under inert gas. Store locked up. Store away from incompatible materials such as oxidizing agents. Heat-sensitive, Air-sensitive
7.3 Specific end use(s)	No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	No data available
8.2 Exposure controls	Install a closed system or local exhaust. Also install safety shower and eye bath.
Respiratory protection:	Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
Physical state (20°C):	Liquid
Form:	Clear
Colour:	Colorless - Almost colorless
Odour:	Pungent
pH:	7
Melting point/freezing point:	-96°C (Freezing point)
Boiling point/range:	104°C
Flash point:	15°C
Evaporation rate(Butyl Acetate=1):	No data available
Flammability(solid, gas):	No data available
Flammability or explosive limits:	
Lower:	2.1%
Upper:	13%
Vapour pressure:	3.6kPa/20°C
Vapour density:	3.45
Relative density:	0.93
Solubility(ies):	
[Water]	Slightly soluble (2.8%, 20°C)
[Other solvents]	
Miscible:	Ether, Ethanol
Soluble:	Acetone
Partition coefficient:	0.97
n-octanol/water:	
Autoignition temperature:	366°C
Decomposition temperature:	No data available
Dynamic Viscosity:	0.52mPa·s (20°C)
Kinematic viscosity:	No data available
9.2 Other safety information	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under proper conditions.
10.3 Possibility of hazardous reactions	No special reactivity has been reported.
10.4 Conditions to avoid	Spark, Open flame, Static discharge
10.5 Incompatible materials	Oxidizing agents
10.6 Hazardous decomposition products	Carbon dioxide, Carbon monoxide

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute Toxicity:	ori-rat LD50:130 mg/kg skn-rbt LD50:1021 mg/kg ihl-rat LC50:1000 ppm/1H
Skin corrosion/irritation:	skn-rbt 500 mg/24H MLD
Serious eye damage/irritation:	eye-rbt 100 mg MOD
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	
IARC =	No data available
NTP =	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
RTECS Number:	AF1750000

SECTION 12: Ecological information

12.1 Toxicity

Fish:	No data available
Crustacea:	No data available
Algae:	No data available

12.2 Persistence and degradability No data available

12.3 Bioaccumulative potential 3.2

12.4 Mobility in soil

Log Pow:	0.97
Soil adsorption (Koc):	80
Henry's Law (PaM³/mol):	13.17

12.5 Results of PBT and vPvB assessment

PBT:	Not applicable
vPvB:	Not applicable

12.6 Other adverse effects No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system but exert extra care in igniting as this material is highly flammable. Observe all federal, state and local regulations when disposing of the substance

SECTION 14: Transport information

14.1 UN number	2333
14.2 UN proper shipping name	
ADR/RID	Allyl acetate
IMDG/IMO	Allyl acetate
ICAO/IATA	Allyl acetate
14.3 Transport hazard class(es)	
ADR/RID	3: Flammable liquid
Subsidiary risk:	6.1: Toxic substance.
IMDG/IMO	3: Flammable liquid
Subsidiary risk:	6.1: Toxic substance.
ICAO/IATA	3: Flammable liquid
Subsidiary risk:	6.1: Toxic substance.
14.4 Packaging group	
ADR/RID	II
IMDG/IMO	II
ICAO/IATA	II
14.5 Environmental hazards	
Marine pollutant	-
14.6 Special precautions for user	No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No.1907/2006	Not listed
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out.

SECTION 16: Other information

Prepared by:	Aaron Chemistry GmbH
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