



杭州大阳化工有限公司

Hangzhou Dayangchem Co., Ltd.

Safety Data Sheet

No :M-158006

Section 1 - Product and Company Identification

MSDS Name: Allyl acetoacetate

Synonyms: AC-allyl

Company Identification: Hangzhou Dayangchem Co., Ltd.

For information, call: 86-571-88938639

For information,E-mail: infores@chinadayangchem.com

Emergency Number: 86-571-88938639

For CHEMTREC assistance, call: 86-571-88938639; FAX:86-571-88938652

Section 2 – Hazards Identification

Classification of the substance or mixture

According to Regulation (EC) No1272/2008

Acute toxicity, Dermal (Category 3)

Acute toxicity, Oral (Category 3)

Skin irritation (Category 2)

Eye irritation (Category 2)

According to European Directive 67/548/EEC as amended.

Harmful if swallowed. Toxic in contact with skin. Irritating to skin.

Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

P280 Wear protective gloves/ protective clothing.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

Hazard symbol(s)

T Toxic

R-phrases(s)

R22 Harmful if swallowed.

R24 Toxic in contact with skin.

R38 Irritating to skin.

S-phrases(s)

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Other hazards-none

Section 3 – Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#	Classification
1118-84-9	Allyl acetoacetate	98.5	214-269-9	Acute Tox. 3; Skin Irrit. 2; H301, H311, H315; T, R22 - R24 - R38

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 - First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Fire Fighting Measures

Special protective equipment for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.

Extinguishing Media: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Section 6 - Accidental Release Measures

Personal precautions: Wear respiratory protection. Avoid breathing vapors, 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. Discharge into the environment must be avoided.

Spills/Leaks: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage: 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. Store in cool place. Store under inert gas. Air sensitive.

Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Eyes: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respirators: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and Chemical Properties

Physical State: clear, liquid

Color: colorless to light yellow.

Odor: Not available.

pH: Not available.

Vapor Pressure: 1 hPa at 20 °C

Viscosity: Not available.

Boiling Point: 194 - 195 °C at 983 hPa - lit.

Freezing/Melting Point: Not available.

Autoignition Temperature: 300 °C

Flash Point: 67 °C - closed cup

Explosion Limits:Lower: 1.15 %(V)

Explosion Limits Upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Not available.

Specific Gravity/Density: 1.037 g/cm³ at 25 °C

Molecular Formula: C₇H₁₀O₃

Molecular Weight: 142.15

Section 10 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Heat, flames and sparks.

Incompatibilities with Other Materials: Strong oxidizing agents, Strong bases

Hazardous Decomposition Products: Carbon oxides

Section 11 - Toxicological Information

RTECS#: CAS# 1118-84-9: None listed

LD50/LC50: RTECS:

LD50 Oral - rat - 259 mg/kg

LD50 Dermal - rat - 266 mg/kg

Skin corrosion/irritation

Skin - rabbit - Skin irritation

Serious eye damage/eye irritation

Eyes - rabbit - Mild eye irritation

Carcinogenicity: Allyl acetoacetate- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion Toxic if swallowed.

Skin Toxic if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Section 12 - Ecological Information

Toxicity

Toxicity to fish LC50 - Danio rerio (zebra fish) - > 1 mg/l - 96 h

LC100 - Danio rerio (zebra fish) - 2.2 mg/l - 96 h

Persistence and degradability

Biodegradability Result: - Readily biodegradable.

Other adverse effects

Toxic to aquatic life.

Section 13 - Disposal Considerations

Product: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. 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 unused product.

Section 14 - Transport Information

	IMO	RID/ADR	IATA
Shipping Name:	TOXIC LIQUID, ORGANIC, N.O.S. (Allyl acetoacetate)	TOXIC LIQUID, ORGANIC, N.O.S. (Allyl acetoacetate)	Toxic liquid, organic n.o.s. (Allyl acetoacetate)
Hazard Class:	6.1	6.1	6.1
UN Number:	2810	2810	2810
Packing Group:	III	III	III
marine pollutant: No			
other applicable information: Not available.			

Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

Section 16 - Other Information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

Acute Tox. Acute toxicity

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

Skin Irrit. Skin irritation

T Toxic

R22 Harmful if swallowed.

R24 Toxic in contact with skin.

R38 Irritating to skin.

MSDS Creation Date: 23/09/2013

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