



TCI EUROPE N.V.

# SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Revision number: 2

Revision date: 04/11/2019

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

### 1.1 Product identifiers

**Product name:** Allyl Methacrylate (stabilized with MEHQ)  
**Product code:** M0075

### 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:**

TCI EUROPE N.V.  
 Boerenveldseweg 6  
 Haven 1063  
 B-2070 Zwijndrecht  
 Telephone: +32(0)3 735 07 00  
 E-mail: sales-eu@tcichemicals.com

**1.4 Emergency telephone number:** +32(0)70 245 245

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

|                                    |            |
|------------------------------------|------------|
| <b>Flammable liquids</b>           | Category 3 |
| <b>Acute toxicity (Oral)</b>       | Category 4 |
| <b>Acute toxicity (Dermal)</b>     | Category 4 |
| <b>Acute toxicity (Inhalation)</b> | Category 3 |
| <b>Acute aquatic hazard</b>        | Category 1 |

### 2.2 Label elements

**Pictograms or hazard symbols**



**Signal word**

Danger

**Hazard statements**

H226-Flammable liquid and vapour.  
 H331-Toxic if inhaled.  
 H302+H312-Harmful if swallowed or in contact with skin.  
 H400-Very toxic to aquatic life.

**Precautionary statements**

P210-Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 P261-Avoid breathing mist, vapours or spray.  
 P280-Wear protective gloves, protective clothing, eye protection.  
 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.  
 P370+P378-In case of fire: Use dry chemical or dry sand to extinguish.  
 May cause polymerization.

### 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

|                          |   |
|--------------------------|---|
| <b>Components:</b>       | Allyl Methacrylate (stabilized with MEHQ)           |
| <b>Percent:</b>          | >99.0%(GC)  |
| <b>CAS RN:</b>           | 96-05-9   |
| <b>EC-No:</b>            | 202-473-0   |
| <b>Synonyms:</b>         | Methacrylic Acid Allyl Ester (stabilized with MEHQ) |
| <b>Chemical Formula:</b> | C <sub>7</sub> H <sub>10</sub> O <sub>2</sub>       |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

|                                    |  |
|------------------------------------|--|
| <b>Inhalation:</b>                 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.   |
| <b>Skin contact:</b>               | Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Call a POISON CENTER or doctor/physician.                                    |
| <b>Eye contact:</b>                | 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. |
| <b>Ingestion:</b>                  | Immediately call a POISON CENTER or doctor/physician. Rinse mouth.   |
| <b>Protection of first-aiders:</b> | 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

|  |   |
|--|---|
| <b>Suitable extinguishing media:</b>   | Dry chemical, foam, carbon dioxide.     |
| <b>Unsuitable extinguishing media:</b> | Water (It may scatter and spread fire.) |

#### 5.2 Special hazards arising from the substance or mixture

This substance may polymerize explosively when heated or involved in a fire. Container may explode when heated. Combat fire from a sheltered position. 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

Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned

#### 6.3 Methods and materials for containment and cleaning up

Absorb spilled material in dry sand or inert absorbent before recovering it into a covered 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 a cool, dark and well-ventilated place. Store locked up. Store away from incompatible materials such as oxidizing agents.  
Light-sensitive

#### 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

|                                  |   |
|----------------------------------|---|
| <b>8.1 Control parameters</b>    |   |
| <b>ACGIH TLV(TWA):</b>           | 1 ppm (skin)  |
| <b>8.2 Exposure controls</b>     | Install a closed system or local exhaust. Also install safety shower and eye bath.  |
| <b>Respiratory protection:</b>   | 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. |
| <b>Hand protection:</b>          | Impervious gloves.  |
| <b>Eye protection:</b>           | Safety goggles. A face-shield, if the situation requires.   |
| <b>Skin and body protection:</b> | Impervious protective clothing. Protective boots, if the situation requires.  |

## SECTION 9: Physical and chemical properties

|  |                              |
|--|------------------------------|
| <b>9.1 Information on basic physical and chemical properties</b> |                              |
| <b>Physical state (20°C):</b>                                    | Liquid                       |
| <b>Form:</b>   | Clear                        |
| <b>Colour:</b>   | Colorless - Almost colorless |
| <b>Odour:</b>  | Pungent                      |
| <b>pH:</b>   | No data available            |
| <b>Melting point/freezing point:</b>                             | No data available            |
| <b>Boiling point/range:</b>                                      | 64°C /6.7kPa                 |
| <b>Flash point:</b>  | 35°C                         |
| <b>Evaporation rate(Butyl Acetate=1):</b>                        | No data available            |
| <b>Flammability(solid, gas):</b>                                 | No data available            |
| <b>Flammability or explosive limits:</b>                         |                              |
| <b>Lower:</b>  | No data available            |
| <b>Upper:</b>  | No data available            |
| <b>Vapour pressure:</b>  | 0.8kPa/25°C                  |
| <b>Vapour density:</b>   | No data available            |
| <b>Relative density:</b>   | 0.93                         |
| <b>Solubility(ies):</b>  |                              |
| <b>[Water]</b>   | No data available            |
| <b>[Other solvents]</b>  | No data available            |
| <b>Partition coefficient:</b>                                    | 1.48                         |
| <b>n-octanol/water:</b>  |                              |
| <b>Autoignition temperature:</b>                                 | No data available            |
| <b>Decomposition temperature:</b>                                | No data available            |
| <b>Dynamic Viscosity:</b>  | No data available            |
| <b>Kinematic viscosity:</b>                                      | No data available            |
| <b>9.2 Other safety information</b>                              | No data available            |

## SECTION 10: Stability and reactivity

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | No data available  |
| <b>10.2 Chemical stability</b>                 | Polymerization may occur under the influences of heat, light or on contact with polymerization initiators such as peroxides etc. |
| <b>10.3 Possibility of hazardous reactions</b> | No special reactivity has been reported.   |
| <b>10.4 Conditions to avoid</b>                | Heat, Spark, Open flame, Static discharge, Light   |
| <b>10.5 Incompatible materials</b>             | Oxidizing agents, Acids, Bases, Peroxides  |
| <b>10.6 Hazardous decomposition products</b>   | Carbon dioxide, Carbon monoxide  |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|   |   |
|---|---|
| <b>Acute Toxicity:</b>                    | ihl-rat LC50:1800 mg/m <sup>3</sup><br>orl-mus LD50:57 mg/kg<br>orl-rat LD50:70 mg/kg<br>skn-rbt LD50:500 uL/kg |
| <b>Skin corrosion/irritation:</b>         | skn-rbt 20 mg/24H MOD   |
| <b>Serious eye damage/irritation:</b>     | eye-rbt 500 mg/24H MLD  |
| <b>Respiratory or skin sensitization:</b> | No data available   |
| <b>Germ cell mutagenicity:</b>            | No data available   |
| <b>Carcinogenicity:</b>                   |   |
| IARC =                                    | No data available   |
| NTP =                                     | No data available   |
| <b>Reproductive toxicity:</b>             | ihl-rat TCLo:100 ppm/6H (6-20D preg)  |
| <b>STOT-single exposure:</b>              | No data available   |
| <b>STOT-repeated exposure:</b>            | No data available   |
| <b>Aspiration hazard:</b>                 | No data available   |
| <b>RTECS Number:</b>                      | UD3483000   |

## SECTION 12: Ecological information

### 12.1 Toxicity

|                   |  |
|-------------------|--|
| <b>Fish:</b>      | 96h LC50:0.99 mg/L (Pimephales promelas) |
| <b>Crustacea:</b> | No data available                        |
| <b>Algae:</b>     | No data available                        |

**12.2 Persistence and degradability** 62% (by BOD) , 100% (by HPLC) , 95% (by TOC)

**12.3 Bioaccumulative potential** No data available

### 12.4 Mobility in soil

|   |                   |
|---|-------------------|
| <b>Log Pow:</b>                           | 1.48              |
| <b>Soil adsorption (Koc):</b>             | No data available |
| <b>Henry's Law (PaM<sup>3</sup>/mol):</b> | No data available |

### 12.5 Results of PBT and vPvB assessment

|              |                |
|--------------|----------------|
| <b>PBT:</b>  | Not applicable |
| <b>vPvB:</b> | 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. Observe all federal, state and local regulations when disposing of the substance.

**SECTION 14: Transport information**

|  |   |
|--|---|
| <b>14.1 UN number</b>                    | 2929                                    |
| <b>14.2 UN proper shipping name</b>      |   |
| ADR/RID                                  | Toxic liquid, flammable, organic, n.o.s |
| IMDG/IMO                                 | Toxic liquid, flammable, organic, n.o.s |
| ICAO/IATA                                | Toxic liquid, flammable, organic, n.o.s |
| <b>14.3 Transport hazard class(es)</b>   |   |
| ADR/RID                                  | 6.1: Toxic substance                    |
| Subsidiary risk:                         | 3: Flammable liquid.                    |
| IMDG/IMO                                 | 6.1: Toxic substance                    |
| Subsidiary risk:                         | 3: Flammable liquid.                    |
| ICAO/IATA                                | 6.1: Toxic substance                    |
| Subsidiary risk:                         | 3: Flammable liquid.                    |
| <b>14.4 Packaging group</b>              |   |
| ADR/RID                                  | II                                      |
| IMDG/IMO                                 | II                                      |
| ICAO/IATA                                | II                                      |
| <b>14.5 Environmental hazards</b>        |   |
| Marine pollutant                         | Y                                       |
| <b>14.6 Special precautions for user</b> | No data available                       |

**SECTION 15: Regulatory information**

|  |                            |
|--|----------------------------|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |                            |
| Water Hazard Classes (WGK) :   | Class 2 - Hazard to waters |
| 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**

|                     |                 |
|---------------------|-----------------|
| <b>Prepared by:</b> | TCI EUROPE N.V. |
| <b>Issue date:</b>  | 04/11/2019      |

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.

**End of Safety Data Sheet**