

# Safety data sheet

Page: 1/17

BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

## 1. Identification

### Product identifier

## **METHACRYLIC ACID TECHNICAL**

Chemical name: methacrylic acid; 2-methylpropenoic acid

CAS Number: 79-41-4

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

Relevant identified uses: Monomer.

Recommended use: for industrial use only

Not recommended use: cosmetics, Pharmaceutical

### Details of the supplier of the safety data sheet

#### Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Petrochemicals

Telephone: +49 621 60-42151

E-mail address: sds-petrochemicals@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

---

## 2. Hazards Identification

### Classification of the substance or mixture

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

According to UN GHS criteria

Flam. Liq. 4  
Acute Tox. 4 (oral)  
Acute Tox. 4 (Inhalation - mist)  
Acute Tox. 3 (dermal)  
Skin Corr./Irrit. 1A  
Eye Dam./Irrit. 1  
STOT SE 3 (irritating to respiratory system)  
Aquatic Acute 3

For the classifications not written out in full in this section the full text can be found in section 16.

**Label elements**Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H227	Combustible liquid.
H311	Toxic in contact with skin.
H335	May cause respiratory irritation.
H314	Causes severe skin burns and eye damage.
H302 + H332	Harmful if swallowed or if inhaled.
H402	Harmful to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P260	Do not breathe dust/gas/mist/vapours.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

P310	Immediately call a POISON CENTER or 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.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P370 + P378	In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

**Precautionary Statements (Storage):**

P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

**Precautionary Statements (Disposal):**

P501	Dispose of contents and container to hazardous or special waste collection point.
------	---

**Other hazards**According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

See section 12 - Results of PBT and vPvB assessment.

---

**3. Composition/Information on Ingredients****Substances**Chemical nature

Methacrylic acid

CAS Number: 79-41-4  
EC-Number: 201-204-4  
INDEX-Number: 607-088-00-5

Hazardous ingredients (GHS)

According to UN GHS criteria

Methacrylic acid

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Content (W/W): $\geq 98\%$ - $\leq 100\%$	Flam. Liq. 4
CAS Number: 79-41-4	Acute Tox. 4 (oral)
EC-Number: 201-204-4	Acute Tox. 4 (Inhalation - mist)
INDEX-Number: 607-088-00-5	Acute Tox. 3 (dermal)
	Skin Corr./Irrit. 1A
	Eye Dam./Irrit. 1
	STOT SE 3 (irr. to respiratory syst.)
	Aquatic Acute 3
	H227, H311, H335, H314, H302 + H332, H402

**Acetic acid**

Content (W/W): $\geq 0\%$ - $\leq 1,2\%$	Flam. Liq. 3
CAS Number: 64-19-7	Skin Corr./Irrit. 1A
EC-Number: 200-580-7	Eye Dam./Irrit. 1
INDEX-Number: 607-002-00-6	H226, H314
	<u>Specific concentration limit:</u>
	Skin Corr./Irrit. 2: 10 - < 25 %
	Eye Dam./Irrit. 2: 10 - < 25 %
	Skin Corr./Irrit. 1A: $\geq 90\%$
	Skin Corr./Irrit. 1B: 25 - < 90 %

**acrylic acid**

Content (W/W): $\geq 0\%$ - $\leq 1\%$	Acute Tox. 4 (Inhalation - vapour)
CAS Number: 79-10-7	Acute Tox. 4 (oral)
	Flam. Liq. 3
	Eye Dam./Irrit. 1
	Skin Corr./Irrit. 1A
	Aquatic Chronic 2
	Aquatic Acute 1
	M-factor acute: 1
	H226, H314, H302 + H332, H411, H400
	<u>Specific concentration limit:</u>
	STOT SE 3, irr. to respiratory syst.: 1 - 5 %

**Isobutyric acid**

Content (W/W): $\geq 0\%$ - $\leq 0,2\%$	Flam. Liq. 3
CAS Number: 79-31-2	Acute Tox. 4 (oral)
EC-Number: 201-195-7	Acute Tox. 3 (dermal)
INDEX-Number: 607-063-00-9	Skin Corr./Irrit. 1B
	Eye Dam./Irrit. 1
	Aquatic Acute 3
	H226, H311, H302, H314, H402

For the classifications not written out in full in this section the full text can be found in section 16.

**Mixtures**

Not applicable

---

## 4. First-Aid Measures

### Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

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

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: Risk of pulmonary edema. Symptoms can appear later.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:

water jet

Additional information:

Use extinguishing measures to suit surroundings.

### Special hazards arising from the substance or mixture

Risk of violent self-polymerization if overheated in a container. Cool endangered containers with water-spray.

| The product is combustible. See SDS section 7 - Handling and storage.

**Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:

Extend fire extinguishing measures to the surroundings. Fight fire from maximum distance. Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition.

In case of a fire in the vicinity a restabilization system should be used if the temperature in the bulk storage-tank reaches 45°C. Evacuate area of all unnecessary personnel. In case of a fire in the vicinity evacuate all personnel in a greater area if the temperature in the bulk storage-tank reaches 60°C.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

---

**6. Accidental Release Measures**

High risk of slipping due to leakage/spillage of product.

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

**Personal precautions, protective equipment and emergency procedures**

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools. Avoid contact with the skin, eyes and clothing.

Take off immediately all contaminated clothing.

**Environmental precautions**

Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants.

Discharge into the environment must be avoided. Collect contaminated washing water for appropriate disposal.

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

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations. Ensure adequate ventilation. Suppress gases/vapours/mists with water spray jet. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Cleaning operations should be carried out only while wearing breathing apparatus. Pick up with suitable appliance and dispose of.

---

## 7. Handling and Storage

### Precautions for safe handling

The substance/ product may be handled only by appropriately trained personnel. Facility parts must be checked for polymer residues and cleaned on regular basis in order to avoid hazardous reactions.

Ensure thorough ventilation of stores and work areas. Encapsulation or exhaust ventilation required. When filling, transferring, or emptying of containers, adequate local exhaust ventilation is necessary. Vent waste air to atmosphere only through suitable separators. Check the condition of seals and connector screw threads.

The temperatures which must be avoided are to be considered. Protect against heat. Protect from direct sunlight. Protect contents from the effects of light. Do not open warm or swollen product containers. Remove persons to safety and alert fire brigade.

Because of the possible separation from the stabilizer the product should never be partially melted and taken. Ensure that there is no crystallized product in the container before use.

Ensure adequate inhibitor and dissolved oxygen level.

Avoid inhalation of dusts/mists/vapours. Avoid aerosol formation. Avoid all direct contact with the substance/product.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Substance/product can form explosive mixture with air. Ground all transfer equipment properly to prevent electrostatic discharge. It is recommended that all conductive parts of the machinery are grounded. Explosion-proof equipment is not necessary when loading and processing of the product takes place at a minimum of 5 °C below the flash point.

Heated containers should be cooled to prevent polymerization. If exposed to fire, keep containers cool by spraying with water. Emergency cooling must be provided for the eventuality of a fire in the vicinity.

Temperature class: T2 (Autoignition temperature >300 °C).

### Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Prior to storage ensure that the transfer equipment used and the intended storage containers do not contain other substances/products. Before transfer to stock the identity of the product must be proved to be without doubt. The entrance to storage rooms is to be granted only to appropriately trained personnel.

The stabilizer is only effective in the presence of oxygen. Maintain contact with atmosphere containing 5 - 21% oxygen. Never use tanks with inert-gas installation for storage.

Risk of polymerization. Protect against heat. Protect from direct sunlight. Avoid UV-light and other radiation with high energy. Protect against contamination.

In case of bulk storage, the storage-tanks should at least be equipped with two high temperature alert devices.

Do not store product below the indicated minimum temperature, because crystallization should be absolutely avoided.

Even if the product is stored and handled as prescribed/indicated it should be used up within the indicated duration of storage.

Storage stability:

Storage temperature: 18 - 35 °C

Storage duration: 12 Months

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

---

The stated storage temperature should be noted.

Avoid prolonged storage.

This product should be processed as soon as possible.

Ensure adequate inhibitor and dissolved oxygen level.

Do not store with less than 10 % headspace above liquid.

Storage stability is based upon ambient temperatures and conditions described.

It is recommended to keep a safe distance of +2 degrees above the crystallization range.

The product is stabilized, the shelf life should be noted.

Storage temperature: 45 °C

A restabilization system should be used if the temperature in the bulk storage-tank reaches the indicated value.

Storage temperature: 60 °C

All personnel in a greater area should be evacuated if the temperature in the bulk storage-tank reaches the indicated value.

### **Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

---

## **8. Exposure Controls/Personal Protection**

### **Control parameters**

#### Components with occupational exposure limits

64-19-7: Acetic acid

79-10-7: acrylic acid

79-41-4: Methacrylic acid

### **Exposure controls**

#### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

butyl rubber (butyl) - 0.7 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:



Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust), protection boots (f.e. according to EN 20346), antistatic

General safety and hygiene measures

Avoid inhalation of vapour. Avoid contact with the skin, eyes and clothing. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	vinegar-like	
Odour threshold:	not determined	
pH value:	2,0 - 2,2 (100 g/l, 20 °C)	
Melting point:	15,4 - 15,5 °C Literature data.	
Boiling point:	162 °C (1.013 hPa) Literature data.	
Flash point:	67 °C Literature data.	(closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	Combustible liquid.	(derived from flash point)
Lower explosion limit:	1,6 %(V) (65 °C)	
Upper explosion limit:	For liquids not relevant for classification and labelling. 8,1 %(V) (96 °C)	
Ignition temperature:	For liquids not relevant for classification and labelling. 400 °C Literature data.	
Vapour pressure:	0,97 hPa (20 °C) Literature data.	(calculated)
Density:	1,01 g/cm <sup>3</sup> (20 °C) Literature data.	
Relative density:	0,9831 g/cm <sup>3</sup> (50 °C) 1,01 (20 °C)	(OECD Guideline 109)

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Relative vapour density (air):	2,96 (20 °C) Heavier than air.	(calculated)
Solubility in water:	98 g/l (20 °C, pH 1,2 - 2)	
Solubility (qualitative) solvent(s):	organic solvents miscible	
Partitioning coefficient n-octanol/water (log Kow):	0,93 (22 °C; pH value: approx. 2,2) Literature data.	(other)
Self ignition:	Based on its structural properties the product is not classified as self-igniting.	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	1,38 mPa.s (25 °C) Literature data.	
Viscosity, kinematic:	(20 °C) not determined	
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	

**Other information**

Self heating ability:	not applicable, the product is a liquid	
SADT:	Not a substance/mixture liable to self-decomposition according to GHS.	
pKA:	4,66 (25 °C)	
Adsorption/water - soil:	KOC: 15; log KOC: 1,176	(other)
Surface tension:	65,9 mN/m (20 °C; 1,01 g/l)	(Directive 84/449/EEC, A.5, Ring method)
Grain size distribution:	The substance / product is marketed or used in a non solid or granular form.	
Molar mass:	86,09 g/mol	
Other Information:	Study scientifically not justified.	

**10. Stability and Reactivity****Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrodes metals in the presence of water.

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Formation of  
flammable gases:

Remarks:

Forms no flammable gases in the  
presence of water.**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**

Explosion and fire hazard exists under confined conditions. Ignitable air mixtures can form when the product is heated above the flash point and/or when sprayed or atomized. Formation of explosive gas/air mixtures.

Polymerization coupled with heat formation.

Risk of spontaneous polymerization by oxygen depletion of the liquid phase. Risk of spontaneous polymerization when heated or in the presence of UV radiation. Risk of spontaneous and violent self-polymerization if inhibitor is lost or product is exposed to excessive heat. Polymerization produces gases which may burst closed or confined containers. Reactions may cause ignition.

Risk of spontaneous polymerization in the presence of starters for radical chain reactions (e.g. peroxides). Reacts with nitric acid. Risk of spontaneous polymerization in the presence of oxidizing agents.

Hazardous reactions in presence of mentioned substances to avoid.

The product is stabilized against spontaneous polymerization prior to despatch. The product is stable if stored and handled as prescribed/indicated.

**Conditions to avoid**

Avoid heat. Avoid oxygen content above the product of less than 5 %. Avoid UV-light and other radiation with high energy. Avoid direct sunlight. Avoid prolonged storage. Avoid inhibitor loss. Avoid excessive temperatures. Avoid all sources of ignition: heat, sparks, open flame. Avoid freezing. Avoid moisture. Avoid temperatures below the crystallization range.

**Incompatible materials**

Substances to avoid:

radical formers, free radical initiators, peroxides, mercaptans, nitro-compounds, perborates, azides, ether, ketones, aldehydes, amines, nitrates, nitrites, oxidizing agents, reducing agents, strong bases, alkaline reactive substances, acid anhydrides, acid chlorides, concentrated mineral acids, metal salts  
Inert gas

**Hazardous decomposition products**

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

---

**11. Toxicological Information****Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Of moderate toxicity after single ingestion. Of pronounced toxicity after short-term skin contact. Of moderate toxicity after short-term inhalation.

Experimental/calculated data:

LD50 rat (oral): 1.320 mg/kg (similar to OECD guideline 401)

LC50 rat (by inhalation): 7,1 mg/l 4 h (similar to OECD guideline 403)  
other TS

LD50 rabbit (dermal): 500 - 1.000 mg/kg

#### Irritation

Assessment of irritating effects:

Highly corrosive! Damages skin and eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Corrosive. (OECD Guideline 404)

Serious eye damage/irritation rabbit: irreversible damage (Draize test)

#### Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing. (similar to OECD guideline 406)

#### Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.

#### Carcinogenicity

Assessment of carcinogenicity:

The whole of the information assessable provides no indication of a carcinogenic effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies. The chemical structure does not suggest a specific alert for such an effect. The product has not been fully

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

tested. The statements have been derived in parts from products of a similar structure or composition.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Causes temporary irritation of the respiratory tract.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation.

Aspiration hazard

not applicable

---

## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50 (96 h) 85 mg/l, *Oncorhynchus mykiss* (Fish test acute, Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Aquatic invertebrates:

EC50 (48 h) > 130 mg/l, *Daphnia magna* (Daphnia test acute, Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Aquatic plants:

EC50 (72 h) 45 mg/l (growth rate), *Selenastrum capricornutum* (OECD Guideline 201)

The statement of the toxic effect relates to the analytically determined concentration.

Microorganisms/Effect on activated sludge:

EC10 (17,0 h) 100 mg/l, *Pseudomonas putida* (DIN 38412 Part 8, aerobic)

Chronic toxicity to fish:

No observed effect concentration (35 d) 10 mg/l, *Brachydanio rerio* (OECD Guideline 210, Flow through.)

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d)  $\geq$  53 mg/l, *Daphnia magna* (OECD Guideline 211, Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

Assessment of terrestrial toxicity:

No effects at the highest test concentration.

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

---

Soil living organisms:

EC10 (28 d) 1000 mg/L, soil dwelling microorganisms (OECD 217, artificial soil)

Terrestrial plants:

No data available.

Other terrestrial non-mammals:

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria).

Elimination information:

86 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301D; EEC 92/69, C.4-E)  
(aerobic, activated sludge, domestic)

Assessment of stability in water:

In contact with water the substance will hydrolyse slowly.

Information on Stability in Water (Hydrolysis):

t<sub>1/2</sub> > 28 d (25 °C, pH value 7), (OECD Guideline 111, pH 7)

### **Bioaccumulative potential**

Assessment bioaccumulation potential:

No significant accumulation in organisms is expected as a result of the distribution coefficient of n-octanol/water (log Pow).

Bioaccumulation potential:

No data available.

### **Mobility in soil**

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is not expected.

### **Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative). Self classification

### **Other adverse effects**

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### **Additional information**

Other ecotoxicological advice:

The product should not be allowed to reach either ground or open waters.

---

## 13. Disposal Considerations

### Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:

Uncleaned empties should be disposed of in the same manner as the contents.

---

## 14. Transport Information

### Land transport

ADR

UN number or ID number: UN2531

UN proper shipping name: METHACRYLIC ACID, STABILIZED

Transport hazard class(es): 8

Packing group: II

Environmental hazards: no

Special precautions for user: Tunnel code: E

RID

UN number or ID number: UN2531

UN proper shipping name: METHACRYLIC ACID, STABILIZED

Transport hazard class(es): 8

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Inland waterway transport

ADN

UN number or ID number: UN2531

UN proper shipping name: METHACRYLIC ACID, STABILIZED

Transport hazard class(es): 8

Packing group: II

Environmental hazards: no

Special precautions for user: None known

### Transport in inland waterway vessel

Not evaluated

---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

---

**Sea transport**

## IMDG

UN number or ID number: UN 2531  
UN proper shipping name: METHACRYLIC ACID, STABILIZED

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-A; S-B

**Air transport**

## IATA/ICAO

UN number or ID number: UN 2531  
UN proper shipping name: METHACRYLIC ACID, STABILIZED

Transport hazard class(es): 8  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

**Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

---

**15. Regulatory Information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

---

**16. Other Information**

This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. Any other intended applications should be discussed with the manufacturer.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Flam. Liq.	Flammable liquids
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation



---

Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 10.08.2023

Version: 5.0

Product: **METHACRYLIC ACID TECHNICAL**

(ID no. 30041967/SDS\_GEN\_00/EN)

Date of print 11.10.2025

Eye Dam./Irrit.	Serious eye damage/eye irritation
STOT SE	Specific target organ toxicity — single exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H227	Combustible liquid.
H311	Toxic in contact with skin.
H335	May cause respiratory irritation.
H314	Causes severe skin burns and eye damage.
H302 + H332	Harmful if swallowed or if inhaled.
H402	Harmful to aquatic life.
H226	Flammable liquid and vapour.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.
H302	Harmful if swallowed.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

---

Vertical lines in the left hand margin indicate an amendment from the previous version.