

Oxybis(methyl-2,1-ethanediyl) diacrylate

2025.03.01

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

1.1 Product identifiers

Product name : Oxybis(methyl-2,1-ethanediyl) diacrylate
Product Number : /
Brand : /
CAS-No. : 57472-68-1
Product identifiers : DPGDA

1.2 Details of the supplier of the safety data sheet

Company : Yixing Wencheng Chemical Co., Ltd.
CANGPU village, Yicheng street, Yixing City,
Jiangsu Province, China

Telephone : +86 0510 87501824
Fax : +86 0510 87501824

1.3 Emergency telephone

Emergency Phone # : +86 0510 87501824

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

Identified uses : For R&D and industry use. Not for pharmaceutical, household or other uses.

SECTION 2: Hazards identification

Summary of emergency

Toxic in contact with skin,Causes skin irritation,May cause an allergic skin reaction,Causes serious eye irritation.

2.1 GHS Classification

Skin corrosion/irritation (Category 2), H315
Serious eye damage/eye irritation (Category 1), H319
Skin sensitization (Category 1), H317

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statement(s)

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye irritation.

Precautionary statement(s)

Prevention

P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the

P280	workplace. Wear protective gloves/ protective clothing/ eye protection/face protection.
Response	
P302 + P352	If on skin: Wash with plenty of water.
P305 + P351 + P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P332 + P313	If skin irritation occurs: seek medical attention.
P321	Specific treatment.
P362 + P364	Remove contaminated clothing and clean before reuse.
P310	Immediately call the detoxification center/doctor.
Storage	
No data available.	
Disposal	
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Physical and chemical hazards

No data available.

2.4 Health hazards

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.

2.5 Environmental hazards

No data available.

2.6 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

Substance / Mixture : Substance

3.1 Substances

Formula	: C ₁₂ H ₁₈ O ₅
Molecular weight	: 242.27 g/mol
CAS-No.	: 57472-68-1
EC-No.	: 260-754-3

Hazardous ingredients

Component	Classification	Concentration
Oxybis(methyl-2,1-ethanediyl) diacrylate	Skin corrosion/irritation (Category 2), H315; Serious eye damage/eye irritation (Category 1), H319; Skin sensitization (Category 1), H317	≥80%

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

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.

In case of eye contact

After eye contact: Wash off with plenty of flowing water and seek medical attention immediately.

If swallowed

After swallowing: Rinse your mouth and seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

4.4 Notes to physician

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Combustible.

Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Small leakage: Collect the leaked liquid in a container that can be sealed as much as possible. Absorb with sand, activated carbon, or other inert materials and transfer to a safe location. Do not flush into the sewer.

Massive leakage: Build embankments or dig pits for containment. Close the drainage pipeline. Cover with foam to inhibit evaporation. Transfer to a tank truck or dedicated collector using an explosion-proof pump for recycling or transportation to a waste disposal site for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

Storage class

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection

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

Skin protection

required

Body Protection

protective clothing

Respiratory protection

required when vapours/aerosols are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|---------------------------|
| a) Physical state | liquid |
| b) Color | colorless or faint yellow |
| c) Odor | No data available |
| d) Melting point/freezing point | No data available |
| e) Initial boiling point and boiling range | No data available |
| f) Flammability (solid, gas) | No data available |
| g) Upper/lower flammability or explosive limits | No data available |
| h) Flash point | 84 °C - closed cup |
| i) Autoignition temperature | No data available |

j) Decomposition temperature	No data available
k) pH	5-7
l) Viscosity	7-13 cps@25°C
m) Water solubility	No data available
n) Partition coefficient: n-octanol/water	No data available
o) Vapor pressure	No data available
p) Density	1.048 g/cm ³
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) acid value	≤0.3 mg KOH/g

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.2 Possibility of hazardous reactions

No data available

10.3 Conditions to avoid

Heat.

Strong heating.

Damp

10.4 Incompatible materials

Strong oxidizing agents, Free radical initiators

10.5 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral : No data available.

Inhalation: No data available

Dermal : No data available.

Skin corrosion/irritation

Remarks: No data available

Serious eye damage/eye irritation

Remarks: No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure No data available**Specific target organ toxicity - repeated exposure** No data available**Aspiration hazard**

No data available

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information**12.1 Toxicity**

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: Transport information 14.1**UN number**

ADR/RID: -

IMDG: -

IATA-DGR: -

14.2 UN proper shipping name

ADR/RID:-

IMDG:-

IATA-DGR:-

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA-DGR: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA-DGR: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

14.6 Special precautions for user

Based on chemical properties, choose appropriate tools and conditions of transport.

Transporting tools shall be equipped with appropriate and sufficient firefighting equipment and emergency leaking installations. If transporting by road, please go along the specified

route.

14.7 Incompatible materials

Strong oxidizing agents, Free radical initiators

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.