

3IN1 TRY-IN

Safety Data Sheet

according to Regulation (EC) No 1907/2006

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

1.1. Product identifier: 3IN1 TRY-IN
UFI: 6UMK-DR3F-3WHN-KYG7

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

Use of the substance/mixture
3D Printing, resin

1.3. Details of the supplier of the safety data sheet

Company name: NYTE3D GmbH
Street: Hans-Heinrich-Warnke-Str. 12
Place: D-29227 Celle
Telephone: +49 (0)5141 97445-50
E-Mail: info@nyte3d.de
Contact person: Manuel Schlenkrich
Telephone: +49 (0)5141 97445-50
Internet: www.nyte3d.de

1.4. Emergency telephone number:
+49 (0)5141 97445-50
Only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Regulation (EC) No 1272/2008

- Acute Tox. 4; H302
- Eye Dam. 1; H318
- Skin Sens. 1; H317
- STOT RE 2; H373
- Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements
Regulation (EC) No 1272/2008

Hazard components for labelling

- 4-(1-oxo-2-propenyl)-morpholine
- reaction mass of: 7,9,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate
- Glycerol, propoxylated, esters with acrylic acid
- Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

Signal word: Danger

Pictograms:



Hazard statements

- H302 Harmful if swallowed.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves and eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water and soap.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients

3.2. Mixtures
Relevant ingredients

CAS No: 5117-12-4
Chemical name: 4-(1-oxo-2-propenyl)-morpholine
Quantity: 40 –< 45 %
EC No: 418-140-1
Index No: 613-222-00-3
REACH No: 01-2120102080-83
Classification (Regulation (EC) No 1272/2008):
Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 2; H302 H318 H317 H373

CAS No: 52658-19-2
Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate
Quantity: 15 –< 25 %
EC No: 412-260-6
Index No: 616-087-00-9
REACH No: 01-2119381661-37
Classification (Regulation (EC) No 1272/2008):
Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H317 H411

CAS No: 52408-84-1
Chemical name: Glycerol, propoxylated, esters with acrylic acid
Quantity: 30 –< 40 %
EC No: 500-114-5
REACH No: 01-2119487948-12
Classification (Regulation (EC) No 1272/2008):
Eye Irrit. 2, Skin Sens. 1; H319 H317

CAS No: 84434-11-7
Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate
Quantity: 1 –< 5 %
EC No: 282-810-6
REACH No: 01-2119987994-10
Classification (Regulation (EC) No 1272/2008):
Skin Sens. 1B, Aquatic Chronic 2; H317 H411

CAS No: 68186-90-3
Chemical name: Chrome antimony titanium buff rutile; C.I.Pigment Brown 24
Quantity: < 0.01 %
EC No: 269-052-1
REACH No: 01-2119491294-33

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No: 5117-12-4
EC No: 418-140-1
Chemical name: 4-(1-oxo-2-propenyl)-morpholine
Quantity: 40 –< 45 %
Specific Conc. Limits, M-factors and ATE:
dermal: LD50 => 2000 mg/kg; oral: LD50 = 588 mg/kg

CAS No: 52658-19-2
EC No: 412-260-6
Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate
Quantity: 20 –< 25 %
Specific Conc. Limits, M-factors and ATE:
dermal: LD50 => 2000 mg/kg; oral: LD50 => 2000 mg/kg

CAS No: 52408-84-1
EC No: 500-114-5
Chemical name: Glycerol, propoxylated, esters with acrylic acid
Quantity: 30 –< 40 %
Specific Conc. Limits, M-factors and ATE:
dermal: LD50 => 2000 mg/kg; oral: LD50 => 2000 mg/kg

CAS No: 84434-11-7
EC No: 282-810-6
Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate
Quantity: 1 –< 5 %
Specific Conc. Limits, M-factors and ATE:
dermal: LD50 => 2000 mg/kg; oral: LD50 => 5000 mg/kg

CAS No: 68186-90-3
EC No: 269-052-1
Chemical name: Chrome antimony titanium buff rutile; C.I.Pigment Brown 24
Quantity: < 0.01 %
Specific Conc. Limits, M-factors and ATE:
oral: LD50 => 10000 mg/kg

SECTION 4: First aid measures

4.1. Description of first aid measures

General information
When in doubt or if symptoms are observed, get medical advice.

After inhalation
Provide fresh air.
If experiencing respiratory symptoms: Call a doctor.

After contact with skin
After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

After contact with eyes
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion
Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting. Rinse mouth immediately and drink 1 glass of of water. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person or a person with cramps.

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

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture
Non-flammable.
In case of fire may be liberated: Pyrolysis products, toxic

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information
Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice
Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Evacuate area.

For non-emergency personnel
Provide adequate ventilation.
Use personal protection equipment.

For emergency responders
Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment
Stop leak if safe to do so. Cover drains.

For cleaning up
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information
Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections
Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Provide adequate ventilation. Do not breathe gas/fumes/ vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Advice on protection against fire and explosion
Usual measures for fire prevention.

Advice on general occupational hygiene
Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed. Store in a well-ventilated place. Store in a dry place.

Hints on joint storage
No information available.

Further information on storage conditions
Protect against: UV-radiation/sunlight, Heat.

7.3. Specific end use(s)
3D Printing, resin

SECTION 8: Exposure controls/ personal protection

8.1. Control parameters

Occupational exposure limits

CAS No: 128-37-0
Substance: 2,6-Ditertiary-butyl-para-cresol
ppm: -
mg/m³: 2
Category: TWA (8 h)

CAS No: -
Substance: Antimony compounds (as Sb)
ppm: -
mg/m³: 0.5
Category: TWA (8 h)

CAS No: -
Substance: Chromium (III) compounds (as Cr)
ppm: -
mg/m³: 2
Category: TWA (8 h)

CAS No: 1309-37-1
Substance: Iron oxide, fume (as Fe)
ppm: -
mg/m³: 5
Category: TWA (8 h)
ppm: -
mg/m³: 10
Category: STEL (15 min)

CAS No: 1309-37-1
Substance: Rouge, respirable dust
ppm: -
mg/m³: 4
Category: TWA (8 h)

CAS No: 1309-37-1
Substance: Rouge, total inhalable dust
ppm: -
mg/m³: 10
Category: TWA (8 h)

CAS No: 13463-67-7
Substance: Titanium dioxide, respirable dust
ppm: -
mg/m³: 4
Category: TWA (8 h)

CAS No: 13463-67-7
Substance: Titanium dioxide, total inhalable dust
ppm: -
mg/m³: 10
Category: TWA (8 h)

DNEL/DMEL values

CAS No: 5117-12-4
Substance: 4-(1-oxo-2-propenyl)-morpholine
DNEL type: Worker DNEL, long-term
Exposure route: inhalation
Effect: systemic
Value: 132,24 mg/m³
DNEL type: Worker DNEL, long-term
Exposure route: dermal
Effect: systemic
Value: 300 mg/kg bw/day

PNEC values

CAS No: 5117-12-4
Substance: 4-(1-oxo-2-propenyl)-morpholine
Environmental compartment: Freshwater
Value: 0,012 mg/l
Environmental compartment: Freshwater sediment
Value: 0,009 mg/kg
Environmental compartment: Soil
Value: 0,001 mg/kg

CAS No: 52658-19-2
Substance: reaction mass of: 7,9,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxo-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate
Environmental compartment: Freshwater
Value: 0,0049 mg/l
Environmental compartment: Marine water
Value: 0,0049 mg/l
Environmental compartment: Freshwater sediment
Value: 0,851 mg/kg
Environmental compartment: Marine sediment
Value: 0,0851 mg/kg
Environmental compartment: Micro-organisms in sewage treatment plants (STP)
Value: 1 mg/l
Environmental compartment: Soil
Value: 0,167 mg/kg

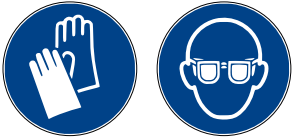
Day of creation	 NYTE3D GmbH Hans-Heinrich- Warnke-Str. 12 29227 Celle, Germany +49 5141 97445-50 info@nyte3d.de www.nyte3d.de
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8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Use eye protection according to EN 166.

Hand protection

Wear suitable gloves tested to EN374. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: exceeding exposure limit values

Thermal hazards

No information available.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: beige
Odour: characteristic
Odour threshold: not determined
Melting point/freezing point: not determined
Boiling point or initial boiling point and boiling range: not determined
Flammability: Non-flammable.
Lower explosion limits: not determined
Upper explosion limits: not determined
Flash point: > 100 °C
Auto-ignition temperature: not determined
Decomposition temperature: not determined
pH-Value: not determined
Viscosity / kinematic: not determined
Water solubility: practically insoluble
Solubility in other solvents: not determined
Partition coefficient n-octanol/water: not determined
Vapour pressure: not determined
Density: not determined
Relative vapour density: not determined
Particle characteristics: not applicable

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

UV-radiation/sunlight, Heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In case of fire may be liberated: Pyrolysis products, toxic

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1437,9 mg/kg;
ATE (dermal) > 2000 mg/kg;
ATE (inhalation vapour) > 20 mg/l;
ATE (inhalation dust/mist) > 5 mg/l

CAS No: 5117-12-4

Chemical name: 4-(1-oxo-2-propenyl)-morpholine

Exposure route: oral

Dose: LD50 588mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 401

Exposure route: dermal

Dose: LD50 > 2000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 402

CAS No: 52658-19-2

Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate

Exposure route: oral

Dose: LD50 > 2000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 420 Regulation (EC) No. 440/2008, Annex B.3

Exposure route: dermal

Dose: LD50 > 2000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 402

CAS No: 52408-84-1

Chemical name: Glycerol, propoxylated, esters with acrylic acid

Exposure route: oral

Dose: LD50 > 2000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 401

Exposure route: dermal

Dose: LD50 > 2000mg/kg

Species: Rabbit

Source: Manufacturer

Method: OECD 402

CAS No: 84434-11-7

Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate

Exposure route: oral

Dose: LD50 > 5000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 401

Exposure route: dermal

Dose: LD50 > 2000mg/kg

Species: Rat

Source: Manufacturer

Method: OECD 402

CAS No: 68186-90-3

Chemical name: Chrome antimony titanium buff rutile; C.I.Pigment Brown 24

Exposure route: oral

Dose: LD50 > 10000mg/kg

Species: Rat

Source: ECHA

Method: OECD 401

Irritation and corrosivity

Serious eye damage/eye irritation:
Causes serious eye damage.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction.
(4-(1-oxo-2-propenyl)-morpholine; reaction mass of: 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; Glycerol, propoxylated, esters with acrylic acid; Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate)

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (4-(1-oxo-2-propenyl)-morpholine)

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

oral, Skin contact, Eye contact, Inhalation.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

CAS No: 5117-12-4

Chemical name: 4-(1-oxo-2-propenyl)-morpholine

Aquatic toxicity: Acute fish toxicity

Dose: LC50 220 mg/l

[h][l][d]: 96 h

Species: Piscis

Source: Manufacturer

Method: OECD 203

Aquatic toxicity: Acute algae toxicity

Dose: ErC50 120 mg/l

[h][l][d]: 72 h

Species: Algae

Source: Manufacturer

Method: OECD 201

Aquatic toxicity: Acute crustacea toxicity

Dose: EC50 120 mg/l

[h][l][d]: 48 h

Species: Daphnia spec.

Source: Manufacturer

Method: OECD 202

CAS No: 52658-19-2

Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate

Aquatic toxicity: Acute fish toxicity

Dose: LC50 4,9 mg/l

[h][l][d]: 96 h

Species: Piscis

Source: Manufacturer

Method: OECD 203

Aquatic toxicity: Acute algae toxicity

Dose: ErC50 5,1 mg/l

[h][l][d]: 72 h

Species: Algae

Source: Manufacturer

Method: OECD 201

CAS No: 52408-84-1

Chemical name: Glycerol, propoxylated, esters with acrylic acid

Aquatic toxicity: Acute fish toxicity

Dose: LC50 5,74 mg/l

[h][l][d]: 96 h

Species: Piscis

Source: Manufacturer

Aquatic toxicity: Acute algae toxicity

Dose: ErC50 12,2 mg/l

[h][l][d]: 72 h

Species: Algae

Source: Manufacturer

Method: OECD 201

Aquatic toxicity: Acute crustacea toxicity

Dose: EC50 91,4 mg/l

[h][l][d]: 48 h

Species: Daphnia spec.

Source: Manufacturer

Method: OECD 202

CAS No: 84434-11-7

Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate

Aquatic toxicity: Acute fish toxicity

Dose: LC50 1,89 mg/l

[h][l][d]: 96 h

Species: Danio rerio (zebrafish)

Source: Manufacturer

Method: OECD 203

Aquatic toxicity: Acute algae toxicity

Dose: ErC50 1,01 mg/l

[h][l][d]: 72 h

Species: Algae

Source: Manufacturer

Method: OECD 201

Aquatic toxicity: Acute crustacea toxicity

Dose: EC50 2,26 mg/l

[h][l][d]: 48 h

Species: Daphnia magna (Big water flea)

Source: Manufacturer

Method: OECD 202

Aquatic toxicity: Acute bacteriatotoxicity

Dose: EC50 > 1000mg/l ()

[h][l][d]: 3 h

Species: Activated sludge

Source: Manufacturer

Method: OECD 209

CAS No: 68186-90-3

Chemical name: Chrome antimony titanium buff rutile; C.I.Pigment Brown 24

Aquatic toxicity: Acute fish toxicity

Dose: LC50 > 10000mg/l

[h][l][d]: 96 h

Species: Leuciscus idus (golden orfe)

Source: ECHA

Aquatic toxicity: Acute algae toxicity

Dose: ErC50 > 100 mg/l

[h][l][d]: 72 h

Species: Desmodesmus subspicatus

Source: ECHA

Method: OECD 201

Day of creation June 7, 2024	NYTE3D GmbH Hans-Heinrich-Warnke-Str. 12 29227 Celle, Germany
Revised on -	+49 5141 97445-50
Revision no. 1,0 Revised version: -	info@nyte3d.de www.nyte3d.de

Aquatic toxicity: Acute crustacea toxicity
Dose: EC50 > 100 mg/l
[h][l][d]: 48 h
Species: Daphnia magna (Big water flea)
Source: ECHA
Method: OECD 202

12.2. Persistence and degradability

The product has not been tested.

CAS No: 5117-12-4

Chemical name: 4-(1-oxo-2-propenyl)-morpholine

Method: OECD 301D

Value: 35 %

d: 28

Source: Manufacturer

Evaluation: Not readily biodegradable

(according to OECD criteria)

CAS No: 52658-19-2

Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate

Method: OECD 301B

Value: 7 %

d: 28

Source: Manufacturer

Evaluation: Not readily biodegradable

(according to OECD criteria)

CAS No: 52408-84-1

Chemical name: Glycerol, propoxylated, esters with acrylic acid

Method: OECD 301B

Value: 79 %

d: 28

Source: Manufacturer

Evaluation: Readily biodegradable

(according to OECD criteria).

CAS No: 84434-11-7

Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate

Method: OECD 301F

Value: < 10 %

d: 28

Source: Manufacturer

Evaluation: Not readily biodegradable

(according to OECD criteria)

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No: 5117-12-4

Chemical name: 4-(1-oxo-2-propenyl)-morpholine

Log Pow: -0,46

CAS No: 52658-19-2

Chemical name: reaction mass of: 7,9,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate; 7,7,9-trimethyl-3,14-dioxa-4,13-dioxo-5,12-diazahecadecane-1,16-diyl-prop-2-enoate

Log Pow: 2,2

CAS No: 52408-84-1

Chemical name: Glycerol, propoxylated, esters with acrylic acid

Log Pow: 2,52

CAS No: 84434-11-7

Chemical name: Ethyl phenyl(2,4,6-trimethylbenzoyl) phosphinate

Log Pow: 2,91

12.4. Mobility in soil

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Revised on -	
Revision no. 1.0 Revised version: -	

14.2. UN proper shipping name
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es)
No dangerous good in sense of this transport regulation.

14.4. Packing group
No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es)
No dangerous good in sense of this transport regulation.

14.4. Packing group
No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es)
No dangerous good in sense of this transport regulation.

14.4. Packing group
No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number
No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name
No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es)
No dangerous good in sense of this transport regulation.

14.4. Packing group
No dangerous good in sense of this transport regulation.

14.5. Environmental hazards
ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user
No information available.

14.7. Maritime transport in bulk according to IMO instruments
not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII)
Entry 3, Entry 75

Information according to Directive 2012/18/EU (SEVESO III)
Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Employment restrictions
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D)
2 - obviously hazardous to water

Additional information
Observe in addition any national regulations!

15.2. Chemical safety assessment
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox	Acute toxicity
Skin Irrit	Skin irritation
Eye Dam	Eye damage
Eye Irrit	Eye irritation
Skin Sens	Skin sensitisation
Carc	Carcinogenicity
STOT RE	Specific target organ toxicity - repeated exposure
Aquatic Acute	Acute aquatic hazard
Aquatic Chronic	Chronic aquatic hazard
CLP	Classification, Labelling and Packaging
REACH	Registration, Evaluation and Authorization of Chemicals
GHS	Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN	United Nations
EC/EEC	European Community/ European Economic Community

EU	European Union
CAS	Chemical Abstracts Service
M-Factor	Multiplication Factor
DNEL	Derived No Effect Level
DMEL	Derived Minimal Effect Level
PNEC	Predicted No Effect Concentration
ATE	Acute Toxicity Estimate
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
LL50	Lethal Loading, 50%
EL50	Effect Loading, 50%
EC50	Effective Concentration 50%
ErC50	Effective Concentration 50%, growth rate
NOEC	No Observed Effect Concentration
BCF	Bio-Concentration Factor
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
ADR	Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Regulations concerning the International carriage of Dangerous goods by rail
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures)
IMDG	International Maritime Code for Dangerous Goods
EmS	Emergency Schedules
MFAG	Medical First Aid Guide
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
TI	Technical Instructions
DGR	Dangerous Goods Regulations
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
IBC	Intermediate Bulk Container
VOC	Volatile Organic Compounds
IE	Industrial Emissions
SVHC	Substance of Very High Concern

Key literature references and sources for data

For **abbreviations and acronyms**, see:
ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations). (v.1.2, 2013)

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

- Classification: Classification procedure
- Acute Tox. 4; H302: Calculation method
- Eye Dam. 1; H318: Calculation method
- Skin Sens. 1; H317: Calculation method
- STOT RE 2; H373: Calculation method
- Aquatic Chronic 3; H412: Calculation method

Relevant H and EUH statements (number and full text)

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)