

Safety Data Sheet according to Singapore Standard SS 586.

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LOCTITE AA 3961 25ML NA

SDS No.: 625058

V001.4

Revision: 13.01.2025 printing date: 09.06.2025

Section 1. Identification of the substance/preparation and of the company/undertaking

Product name: LOCTITE AA 3961 25ML NA

Other means of identification: LOCTITE AA 3961 25ML NA

Product code: IDH2464890

Recommended use of the chemical and restrictions on use

Intended use: Light Curing Adhesive
Manufacturer/Importer/Distributor Representative Company

Henkel Singapore Pte Ltd 401 Commonwealth Drive, #03-01/02, Haw Par Technocentre,

149598 Singapore

Singapore

Phone: +65 (6266) 0100 Fax-no.: +65 (6266) 1161

E-mail address of person responsible for Safety Data

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Emergency Telephone for FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call: +65

Chemical Accidents: 6424 7016

Section 2. Hazards identification

GHS Classification:

| Hazard Class | Hazard Category | Route of Exposure | Target organ |
|-----------------------------------|------------------------|-------------------|------------------------------|
| Acute toxicity | Category 4 | Oral | |
| Acute toxicity | Category 4 | Dermal | |
| Skin corrosion/irritation | Category 2 | | |
| Serious eye damage/eye irritation | Category 1 | | |
| Skin sensitizer | Category 1 | | |
| Specific target organ toxicity - | Category 3 | | respiratory tract irritation |
| single exposure | | | |
| Acute hazards to the aquatic | Category 1 | | |
| environment | | | |
| Chronic hazards to the aquatic | Category 1 | | |

GHS label elements:

Hazard pictogram:

environment



Signal word: Danger

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Hazard statement: H302+H312 Harmful if swallowed or in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation.

H410 Very toxic to aquatic life with long lasting effects.

Precaution:

Prevention: P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P310+P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/

physician. Rinse mouth.

P302+P352+P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON

CENTER or physician if you feel unwell.

P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. 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. P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

Storage: P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal: P501 Dispose of contents/container to an appropriate treatment and disposal facility in

accordance with applicable laws and regulations, and product characteristics at time of

disposal.

Section 3. Composition / information on ingredients

Substance or Mixture:

Mixture

Declaration of hazardous chemical:

| Hazard component CAS-No. | Content | GHS Classification |
|--|----------|--|
| Isobornyl acrylate | 30- 60 % | Skin Sensitization 1A |
| 5888-33-5 | | H317 Acute hazards to the aquatic environment 1 H400 |
| | | Chronic hazards to the aquatic environment 1 H410 |
| N,N-Dimethylacrylamide 2680-03-7 | 10- 30 % | Acute toxicity 3; Oral H301 |
| 2000-05-7 | | Acute toxicity 3; Dermal |
| | | Serious eye damage/eye irritation 1 H318 |
| | | Skin Sensitization 1B H317 |
| Ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate 84434-11-7 | 1- 10 % | Skin Sensitization 1B H317 |
| | | Chronic hazards to the aquatic environment 2 H411 |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 | 1- 10 % | Acute toxicity 4; Oral H302 |
| | | Serious eye damage/eye irritation 1 H318 |
| | | Target Organ Systemic Toxicant - Single exposure 3 H335 |
| [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane 2530-83-8 | 1- 10 % | Serious eye damage/eye irritation 1 H318 |
| 2-(2-Ethoxyethoxy)ethyl acrylate 7328-17-8 | 1- 10 % | Acute toxicity 4; Oral H302 |
| | | Acute toxicity 4; Dermal |
| | | Skin irritation 2 H315 |
| | | Serious eye irritation 2B H320 |
| | | Skin Sensitization 1A H317 |
| 2-Propenoic acid, 2-carboxyethyl ester 24615-84-7 | 1- 10 % | Skin corrosion 1 H314 |
| 24013-04-7 | | Serious eye damage/eye irritation 1 H318 |
| | | Skin Sensitization 1 |
| | | H317 Target Organ Systemic Toxicant - Single exposure 3 H335 |
| | | Chronic hazards to the aquatic environment 2 H411 |
| Acrylic acid 79-10-7 | 1- 10 % | Flammable liquids 3 H226 |
| | | Acute toxicity 4; Oral H302 |
| | | Acute toxicity 4; Inhalation H332 |
| | | Acute toxicity 4; Dermal H312 |
| | | Skin corrosion 1A H314 |
| | | Serious eye damage/eye irritation 1 H318 |
| | | Target Organ Systemic Toxicant - Single exposure 3 H335 |
| | | Acute hazards to the aquatic environment 1 H400 |
| | | Chronic hazards to the aquatic environment 2 H411 |
| 1,7,7-Trimethyltricyclo[2.2.1.02,6]heptane 508-32-7 | 0.1- 1 % | Acute hazards to the aquatic environment 1 H400 |
| | | Chronic hazards to the aquatic environment 1 |

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| | | H410 |
|-------------------------|----------|--|
| Camphene | 0.1- 1 % | Flammable solids 2 |
| 79-92-5 | | H228 |
| | | Serious eye irritation 2B |
| | | H320 |
| | | Acute hazards to the aquatic environment 1 |
| | | H400 |
| | | Chronic hazards to the aquatic environment 1 |
| | | H410 |
| 2-Hydroxyethyl acrylate | 0.1- 1 % | Acute toxicity 4; Oral |
| 818-61-1 | | H302 |
| | | Acute toxicity 3; Dermal |
| | | H311 |
| | | Skin corrosion 1B |
| | | H314 |
| | | Skin Sensitization 1 |
| | | H317 |
| | | Acute hazards to the aquatic environment 1 |
| | | H400 |

Section 4. First aid measures

Inhalation: Move to fresh air. If symptoms persist, seek medical advice.

Skin contact: Rinse with running water and soap.

Seek medical advice.

Eye contact: Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if

necessary.

Ingestion: Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.

Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder

Special protection equipment and precautions for firefighters:

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

Hazardous combustion products: Oxides of carbon.

Oxides of nitrogen. Oxides of silicon.

Toxic and irritating vapors.

Additional fire fighting advice: In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions: Avoid skin and eye contact.

Environmental precautions: Do not let product enter drains.

Clean-up methods: For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for

disposal.

Dispose of contaminated material as waste according to Section 13.

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Section 7. Handling and storage

Use only in well-ventilated areas. Handling:

Avoid skin and eye contact.

Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation.

See advice in section 8

Storage: Store in a cool, dry place.

Refer to Technical Data Sheet.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

| ACRYLIC ACID 79-10-7 | Value type | Time Weighted Average (TWA): |
|-------------------------|-------------------|--------------------------------------|
| | ppm | 2 |
| | Remarks | ACGIH |
| ACRYLIC ACID | Value type | Time Weighted Average (TWA): |
| 79-10-7 | | |
| | ppm | 2 |
| | mg/m ³ | 5.9 |
| | Remarks | SG OEL |
| ACRYLIC ACID | Value type | Skin designation: |
| 79-10-7 | | |
| | Remarks | ACGIH Danger of cutaneous absorption |

An approved mask or respirator fitted with an organic vapour cartridge should be worn if **Respiratory protection:**

the product is used in a poorly ventilated area

Filter type: A (EN 14387)

Hand protection: Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection

index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6,

corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the

gloves should be replaced.

Eye protection: Wear protective glasses.

Protective eye equipment should conform to EN166.

Body protection: Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for

dusts.

Engineering controls: Provide local and general exhaust ventilation to effectively remove and prevent buildup of

any vapors or mists generated from the handling of this product.

General protection and hygiene

measures:

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Hygienic measures: Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

Take off contaminated clothing and wash before reuse.

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Section 9. Physical and chemical properties

Appearance: Clear liquid acrylic Odor:

Odor threshold (CA): No data available.

Not applicable, Product is non-polar/aprotic.

Not applicable, Product is a liquid **Melting point / freezing point:**

Specific gravity: No data available. > 93 °C (> 199.4 °F) **Boiling point:** Flash point: 80 °C (176 °F)

(ASTM D3278)

Evaporation rate: No data available. Flammability (solid, gas): No data available. Lower explosive limit: No data available. Upper explosive limit: No data available. Vapor pressure: < 5 mm hg

(; 20 °C (68 °F))

Vapor density: > 1

Density: 1.023 g/cm3 **Solubility:** No data available. Partition coefficient: n-No data available.

octanol/water:

No data available. Auto ignition: **Decomposition temperature:** No data available.

Viscosity: 40 - 120 mPa.s (Cone and plate; Instrument: Haake cone and plate, RV1, C60/1°Ti; 25 °C

(77 °F); Shear gradient: 200 s-1; Method: ;; LCT STM 740; cone & plate viscosity)

VOC content: < 3 %

(2010/75/EC)

Section 10. Stability and reactivity

Reactivity/Incompatible Reaction with strong acids. materials: Reacts with strong oxidants.

Chemical stability: Stable under recommended storage conditions. Conditions to avoid: Heat, flames, sparks and other sources of ignition.

Avoid temperatures above 26°C (80°F). Store away from incompatible materials.

Direct sunlight. UV light.

Freezing conditions. Oxides of carbon.

Hazardous decomposition

products:

Oxides of nitrogen. Oxides of silicon. Irritating organic vapours.

Section 11. Toxicological information

Oral toxicity: Acute toxicity estimate (ATE): 870.01 mg/kg

Method: Calculation method

Inhalative toxicity: Acute toxicity estimate (ATE): > 20 mg/l

> Exposure time: 4 h Test atmosphere: Vapor.

Method: Calculation method

Dermal toxicity: Acute toxicity estimate (ATE): 1,967 mg/kg

Method: Calculation method

Symptoms of Overexposure: After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

SKIN: Rash, Urticaria.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Redness, inflammation.

INGESTION: Nausea, vomiting, diarrhea, abdominal pain.

Acute oral toxicity:

| Isobornyl acrylate | Value type | LD50 |
|----------------------------------|------------|---|
| 5888-33-5 | Value | 4,350 mg/kg |
| | Species | rat |
| | Method | not specified |
| N,N-Dimethylacrylamide | Value type | LD50 |
| 2680-03-7 | Value | > 215 - 464 mg/kg |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| N,N-Dimethylacrylamide | Value type | Acute toxicity estimate (ATE) |
| 2680-03-7 | Value | 216 mg/kg |
| | Species | |
| | Method | Expert judgement |
| Ethyl phenyl(2,4,6- | Value type | LD50 |
| trimethylbenzoyl)phosphinate | Value | > 5,000 mg/kg |
| 84434-11-7 | Species | rat |
| | Method | OECD Guideline 401 (Acute Oral Toxicity) |
| 2-Propenoic acid, homopolymer | Value type | LD50 |
| (oligomers) | Value | 1,500 mg/kg |
| 9003-01-4 | Species | rat |
| | Method | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| [3-(2,3- | Value type | LD50 |
| Epoxypropoxy)propyl]trimethoxysi | Value | 8,025 mg/kg |
| lane | Species | rat |
| 2530-83-8 | Method | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Value type | LD50 |
| 7328-17-8 | Value | 1,106 mg/kg |
| | Species | rat |
| | Method | BASF Test |
| Acrylic acid | Value type | LD50 |
| 79-10-7 | Value | 1,500 mg/kg |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 401 (Acute Oral Toxicity) |
| Camphene | Value type | LD50 |
| 79-92-5 | Value | >= 5,000 mg/kg |
| | Species | rat |
| | Method | Limit Test |
| 2-Hydroxyethyl acrylate | Value type | LD50 |
| 818-61-1 | Value | 540 mg/kg |
| | Species | rat |
| | Method | not specified |

Acute inhalative toxicity:

| 2-Propenoic acid, homopolymer | Value type | LC50 |
|----------------------------------|---------------|---|
| (oligomers) | Value | > 5.1 mg/l |
| 9003-01-4 | Exposure time | 4 h |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| [3-(2,3- | Value type | LC50 |
| Epoxypropoxy)propyl]trimethoxysi | Value | > 5.3 mg/l |
| lane | Exposure time | 4 h |
| 2530-83-8 | Species | rat |
| | Method | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| Acrylic acid | Value type | LC0 |
| 79-10-7 | Value | 5.1 mg/l |
| | Exposure time | 4 h |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 403 (Acute Inhalation Toxicity) |
| Acrylic acid | Value type | Acute toxicity estimate (ATE) |
| 79-10-7 | Value | 11 mg/l |
| | Exposure time | |
| | Species | |
| | Method | Expert judgement |

Acute dermal toxicity:

| Isobornyl acrylate | Value type | LD50 |
|----------------------------------|------------|---|
| 5888-33-5 | Value | > 3,000 mg/kg |
| | Species | rabbit |
| | Method | not specified |
| N,N-Dimethylacrylamide | Value type | LD50 |
| 2680-03-7 | Value | 500 mg/kg |
| | Species | rat |
| | Method | not specified |
| Ethyl phenyl(2,4,6- | Value type | LD50 |
| trimethylbenzoyl)phosphinate | Value | > 2,000 mg/kg |
| 84434-11-7 | Species | rat |
| | Method | OECD Guideline 402 (Acute Dermal Toxicity) |
| 2-Propenoic acid, homopolymer | Value type | LD50 |
| (oligomers) | Value | > 2,000 mg/kg |
| 9003-01-4 | Species | rabbit |
| | Method | OECD Guideline 402 (Acute Dermal Toxicity) |
| [3-(2,3- | Value type | LD50 |
| Epoxypropoxy)propyl]trimethoxysi | Value | 4,250 mg/kg |
| lane | Species | rabbit |
| 2530-83-8 | Method | equivalent or similar to OECD Guideline 402 (Acute Dermal Toxicity) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Value type | LD50 |
| 7328-17-8 | Value | > 1,000 - < 2,000 mg/kg |
| | Species | rabbit |
| | Method | OECD Guideline 402 (Acute Dermal Toxicity) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Value type | Acute toxicity estimate (ATE) |
| 7328-17-8 | Value | 1,001 mg/kg |
| | Species | |
| | Method | Expert judgement |
| Acrylic acid | Value type | Acute toxicity estimate (ATE) |
| 79-10-7 | Value | 1,100 mg/kg |
| | Species | |
| | Method | Expert judgement |

Skin corrosion/irritation:

| Isobornyl acrylate | Result | not irritating |
|--------------------|---------------|------------------|
| 5888-33-5 | Exposure time | 24 h |
| | Species | rabbit |
| | Method | other guideline: |

| N,N-Dimethylacrylamide | Result | not irritating |
|--|---------------|---|
| 2680-03-7 | Exposure time | 24 h |
| | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 2-Propenoic acid, homopolymer | Result | slightly irritating |
| (oligomers) | Exposure time | 4 h |
| 9003-01-4 | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| [3-(2,3- | Result | not irritating |
| Epoxypropoxy)propyl]trimethoxysilane | Exposure time | 24 h |
| 2530-83-8 | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Result | irritating |
| 7328-17-8 | Exposure time | 4 h |
| | Species | rabbit |
| | Method | equivalent or similar to OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| 2-Propenoic acid, 2-carboxyethyl ester | Result | corrosive |
| 24615-84-7 | Exposure time | 24 h |
| | Species | rabbit |
| | Method | not specified |
| Acrylic acid | Result | Sub-Category 1A (corrosive) |
| 79-10-7 | Exposure time | 3 min |
| | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |
| Camphene | Result | not irritating |
| 79-92-5 | Exposure time | 4 h |
| | Species | rabbit |
| | Method | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

| Isobornyl acrylate | Result | not irritating |
|--------------------------------------|---------------|--|
| 5888-33-5 | Exposure time | |
| | Species | rabbit |
| | Method | other guideline: |
| N,N-Dimethylacrylamide | Result | irritating or corrosive |
| 2680-03-7 | Exposure time | |
| | Species | rabbit |
| | Method | equivalent or similar to OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| N,N-Dimethylacrylamide | Result | corrosive |
| 2680-03-7 | Exposure time | |
| | Species | Bovine, cornea, in vitro test |
| | Method | OECD Guideline 437 (BCOP) |
| 2-Propenoic acid, homopolymer | Result | Category 1 (irreversible effects on the eye) |
| (oligomers) | Exposure time | |
| 9003-01-4 | Species | rabbit |
| | Method | BASF Test |
| [3-(2,3- | Result | corrosive |
| Epoxypropoxy)propyl]trimethoxysilane | Exposure time | |
| 2530-83-8 | Species | rabbit |
| | Method | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Result | Category 2B (mildly irritating to eyes) |
| 7328-17-8 | Exposure time | |
| | Species | rabbit |
| | Method | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |
| Acrylic acid | Result | Category 1 (irreversible effects on the eye) |
| 79-10-7 | Exposure time | |
| | Species | rabbit |
| | Method | BASF Test |
| Camphene | Result | irritating |
| 79-92-5 | Exposure time | 24 h |
| | Species | rabbit |
| | Method | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

| Isobornyl acrylate | Result | sensitising |
|--|---|--|
| 5888-33-5 | Test type | Mouse local lymphnode assay (LLNA) |
| | Species | mouse |
| | Method | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| N,N-Dimethylacrylamide | Result | Sub-Category 1B (sensitising) |
| 2680-03-7 | Test type | but category 12 (sensitionity) |
| 2000 00 7 | Species | |
| | Method | Weight of evidence |
| N,N-Dimethylacrylamide | Result | positive |
| 2680-03-7 | Test type | Patch-Test |
| 2000 03 7 | Species | human |
| | Method | Patch Test |
| N,N-Dimethylacrylamide | Result | positive |
| 2680-03-7 | Test type | Direct peptide reactivity assay (DPRA) |
| 2000-03-7 | Species | cysteine and lysine, in chemico test |
| | Method | OECD Guideline 442C (Direct Peptide Reactivity Assay (DPRA)) |
| N,N-Dimethylacrylamide | Result | positive |
| 2680-03-7 | | Activation of keratinocytes |
| 2080-03-7 | Test type | |
| | Species Method | human keratinocytes, in vitro test OECD Guideline 442D (ARE-Nrf2 Luciferase Test Method) |
| Tri. 1. 1. 1/2.4.6 | | |
| Ethyl phenyl(2,4,6- | Result | Sub-Category 1B (sensitising) |
| trimethylbenzoyl)phosphinate 84434-11-7 | Test type | Mouse local lymphnode assay (LLNA) |
| 84434-11-/ | Species | mouse |
| | Method | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| 2-Propenoic acid, homopolymer | Result | not sensitising |
| (oligomers) | Test type | Freund's complete adjuvant test |
| 9003-01-4 | Species | guinea pig |
| | Method | Klecak Method |
| 2-Propenoic acid, homopolymer | Result | not sensitising |
| (oligomers) | Test type | Split adjuvant test |
| 9003-01-4 | Species | guinea pig |
| | Method | Maguire Method |
| [3-(2,3- | Result | not sensitising |
| Epoxypropoxy)propyl]trimethoxysi | | Buehler test |
| lane | Species | guinea pig |
| 2530-83-8 | Method | OECD Guideline 406 (Skin Sensitisation) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Result | Sub-Category 1A (sensitising) |
| 7328-17-8 | Test type | Guinea pig maximisation test |
| | Species | guinea pig |
| | Method | equivalent or similar to OECD Guideline 406 (Skin Sensitisation) |
| 2-Propenoic acid, 2-carboxyethyl | Result | sensitising |
| ester | Test type | Mouse local lymphnode assay (LLNA) |
| 24615-84-7 | | |
| | Species | mouse |
| | Species Method | mouse OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| Acrylic acid | | |
| Acrylic acid 79-10-7 | Method | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) |
| | Method Result | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising |
| | Method Result Test type | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test |
| 79-10-7 | Method Result Test type Species | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig |
| | Method Result Test type Species Method Result | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising |
| 79-10-7 Acrylic acid | Method Result Test type Species Method Result Test type | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising Split adjuvant test |
| 79-10-7 Acrylic acid | Method Result Test type Species Method Result Test type Species | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising Split adjuvant test guinea pig |
| 79-10-7 Acrylic acid 79-10-7 | Method Result Test type Species Method Result Test type Species Method | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising Split adjuvant test guinea pig Maguire Method |
| 79-10-7 Acrylic acid 79-10-7 2-Hydroxyethyl acrylate | Method Result Test type Species Method Result Test type Species Method Result Test type Species Method Result | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising Split adjuvant test guinea pig Maguire Method sensitising |
| 79-10-7 Acrylic acid 79-10-7 | Method Result Test type Species Method Result Test type Species Method | OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay) not sensitising Freund's complete adjuvant test guinea pig Klecak Method not sensitising Split adjuvant test guinea pig Maguire Method |

Germ cell mutagenicity:

| Icohornyl acrylato | Result | nagativa |
|--|---|---|
| Isobornyl acrylate 5888-33-5 | Type of study / Route of administration | bacterial reverse mutation assay (e.g Ames test) |
| 2000 23 3 | Metabolic activation / Exposure time | with and without |
| | Method | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| Isobornyl acrylate | Result | negative |
| 5888-33-5 | Type of study / Route of administration | mammalian cell gene mutation assay |
| | Metabolic activation / Exposure time | with and without |
| | Method | OECD Guideline 476 (In vitro Mammalian Cell Gene |
| | | Mutation Test) |
| Isobornyl acrylate | Result | negative |
| 5888-33-5 | Type of study / Route of administration | in vitro mammalian cell micronucleus test |
| | Metabolic activation / Exposure time | with and without |
| | Method | OECD Guideline 487 (In vitro Mammalian Cell |
| | | Micronucleus Test) |
| N,N-Dimethylacrylamide | Result | negative |
| 2680-03-7 | Type of study / Route of administration | |
| | Metabolic activation / Exposure time | with and without |
| | Method | OECD Guideline 476 (In vitro Mammalian Cell Gene |
| NINID' d. 1 . 1 . 1 | D. I | Mutation Test) |
| N,N-Dimethylacrylamide 2680-03-7 | Result Type of study / Route of administration | negative |
| 200U-U3-/ | Metabolic activation / Exposure time | with and without |
| | Method Exposure time | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |
| N,N-Dimethylacrylamide | Result | negative |
| 2680-03-7 | Type of study / Route of administration | oral: gavage |
| 2000 00 / | Metabolic activation / Exposure time | oran garago |
| | Species | mouse |
| | Method | OECD Guideline 474 (Mammalian Erythrocyte |
| | | Micronucleus Test) |
| 2-Propenoic acid, homopolymer | Result | negative |
| (oligomers) | Type of study / Route of administration | bacterial reverse mutation assay (e.g Ames test) |
| 9003-01-4 | Metabolic activation / Exposure time | with and without |
| | Method | equivalent or similar to OECD Guideline 471 (Bacterial |
| | | Reverse Mutation Assay) |
| 2-Propenoic acid, homopolymer | Result | negative |
| (oligomers) | Type of study / Route of administration | in vitro mammalian chromosome aberration test |
| 9003-01-4 | Metabolic activation / Exposure time | with and without |
| | Method | equivalent or similar to OECD Guideline 473 (In vitro |
| | D. I | Mammalian Chromosome Aberration Test) |
| 2-Propenoic acid, homopolymer | Result | negative |
| (oligomers) 9003-01-4 | Type of study / Route of administration Metabolic activation / Exposure time | mammalian cell gene mutation assay with and without |
| 7003-01-4 | Method | equivalent or similar to OECD Guideline 476 (In vitro |
| | Welliod | Mammalian Cell Gene Mutation Test) |
| 2-Propenoic acid, homopolymer | Result | negative |
| (oligomers) | Type of study / Route of administration | oral: gavage |
| 9003-01-4 | Metabolic activation / Exposure time | 0 |
| | Species Species | rat |
| | | |
| | Method | equivalent or similar to OECD Guideline 475 |
| | Method | equivalent or similar to OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) |
| [3-(2,3- | Method Result | 1 - |
| Epoxypropoxy)propyl]trimethox | Result Type of study / Route of administration | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay |
| Epoxypropoxy)propyl]trimethox ysilane | Result Type of study / Route of administration Metabolic activation / Exposure time | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without |
| Epoxypropoxy)propyl]trimethox | Result Type of study / Route of administration | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 | Result Type of study / Route of administration Metabolic activation / Exposure time Method | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3- Epoxypropoxy)propyl]trimethox | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3- Epoxypropoxy)propyl]trimethox ysilane | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3- Epoxypropoxy)propyl]trimethox | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3- Epoxypropoxy)propyl]trimethox ysilane | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 Acrylic acid | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method Result | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) negative |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method Result Type of study / Route of administration | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) negative bacterial reverse mutation assay (e.g Ames test) |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 Acrylic acid | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method Result Type of study / Route of administration Metabolic activation / Exposure time | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) negative bacterial reverse mutation assay (e.g Ames test) with and without |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 Acrylic acid | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method Result Type of study / Route of administration | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) negative bacterial reverse mutation assay (e.g Ames test) with and without equivalent or similar to OECD Guideline 471 (Bacterial |
| Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 [3-(2,3-Epoxypropoxy)propyl]trimethox ysilane 2530-83-8 Acrylic acid | Result Type of study / Route of administration Metabolic activation / Exposure time Method Result Type of study / Route of administration Metabolic activation / Exposure time Species Method Result Type of study / Route of administration Metabolic activation / Exposure time | (Mammalian Bone Marrow Chromosome Aberration Test) A mutagenic potential can not be excluded. mammalian cell gene mutation assay with and without OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) A mutagenic potential can not be excluded. mouse OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) negative bacterial reverse mutation assay (e.g Ames test) with and without |

| | Metabolic activation / Exposure time | with and without |
|-------------------------|---|--|
| | Method | equivalent or similar to OECD Guideline 476 (In vitro |
| | | Mammalian Cell Gene Mutation Test) |
| Acrylic acid | Result | negative |
| 79-10-7 | Type of study / Route of administration | DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro |
| | Metabolic activation / Exposure time | without |
| | Method | equivalent or similar to OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells |
| Acrylic acid | Result | negative |
| 79-10-7 | Type of study / Route of administration | oral: gavage |
| | Metabolic activation / Exposure time | |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test) |
| Acrylic acid | Result | negative |
| 79-10-7 | Type of study / Route of administration | oral: gavage |
| | Metabolic activation / Exposure time | |
| | Species | mouse |
| | Method | not specified |
| Camphene | Result | negative |
| 79-92-5 | Type of study / Route of administration | oral: gavage |
| | Metabolic activation / Exposure time | |
| | Species | mouse |
| | Method | OECD Guideline 474 (Mammalian Erythrocyte |
| | | Micronucleus Test) |
| 2-Hydroxyethyl acrylate | Result | negative |
| 818-61-1 | Type of study / Route of administration | bacterial reverse mutation assay (e.g Ames test) |
| | Metabolic activation / Exposure time | with and without |
| | Method | not specified |
| 2-Hydroxyethyl acrylate | Result | negative |
| 818-61-1 | Type of study / Route of administration | oral: gavage |
| | Metabolic activation / Exposure time | |
| | Species | mouse |
| | Method | OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) |

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LOCTITE AA 3961 25ML NA

Repeated dose toxicity:

| Isobornyl acrylate | Result | NOAEL=100 mg/kg |
|--|--|---|
| 5888-33-5 | Route of application | oral: gavage |
| | Exposure time / Frequency of treatment | once daily |
| | Species | rat |
| | Method | OECD Guideline 422 (Combined Repeated Dose Toxicity |
| | | Study with the Reproduction / Developmental Toxicity |
| | | Screening Test) |
| N,N-Dimethylacrylamide | Result | NOAEL=10 mg/kg |
| 2680-03-7 | Route of application | dermal |
| | Exposure time / Frequency of treatment | 13 weeks6 hours/day, 7 days/week |
| | Species | rat |
| | Method | OECD Guideline 411 (Subchronic Dermal Toxicity: 90- |
| | | Day Study) |
| 2-Propenoic acid, homopolymer Result | | NOAEL=40 mg/kg |
| (oligomers) | Route of application | oral: drinking water |
| 9003-01-4 | Exposure time / Frequency of treatment | 12 mdaily |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 452 (Chronic |
| | | Toxicity Studies) |
| [3-(2,3- | Result | NOAEL=1,000 mg/kg |
| Epoxypropoxy)propyl]trimethox | Route of application | oral: gavage |
| ysilane | Exposure time / Frequency of treatment | 28 d5 d / week |
| 2530-83-8 | Species | rat |
| | Method | OECD Guideline 407 (Repeated Dose 28-Day Oral |
| | | Toxicity in Rodents) |
| [3-(2,3- Epoxypropoxy)propyl]trimethox ysilane | Result | NOAEL=0.225 mg/l |
| | Route of application | inhalation: aerosol |
| | Exposure time / Frequency of treatment | 14 d6 h / d, 4/5 exposures/week |
| 2530-83-8 | Species | rat |
| | Method | equivalent or similar to OECD Guideline 412 (Repeated |
| | | Dose Inhalation Toxicity: 28/14-Day) |
| Acrylic acid | Result | NOAEL=40 mg/kg |
| 79-10-7 | Route of application | oral: drinking water |
| | Exposure time / Frequency of treatment | 12 mdaily |
| | Species | rat |
| | Method | equivalent or similar to OECD Guideline 452 (Chronic |
| | | Toxicity Studies) |
| Acrylic acid | Result | NOAEL=0.015 mg/l |
| 79-10-7 | Route of application | inhalation: vapour |
| | Exposure time / Frequency of treatment | 90 d6 h/d, 5 d/w |
| | Species | mouse |
| | Method | equivalent or similar to OECD Guideline 413 (Subchronic |
| | | Inhalation Toxicity: 90-Day) |
| Camphene | Result | LOAEL=1,000 mg/kg |
| 79-92-5 | Route of application | oral: gavage |
| | Exposure time / Frequency of treatment | 28 daysdaily |
| | Species | rat |
| | Method | OECD Guideline 407 (Repeated Dose 28-Day Oral |
| | | Toxicity in Rodents) |

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: H410 Very toxic to aquatic life with long lasting effects.

Toxicity:

| Isobornyl acrylate | Value type | LC50 |
|--------------------|----------------------|------------|
| 5888-33-5 | Value | 0.704 mg/l |
| | Acute Toxicity Study | Fish |

| | Exposure time | 96 h |
|---|------------------------------------|---|
| | Species | Danio rerio |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Isobornyl acrylate | Value type | EC50 |
| 5888-33-5 | Value | 1 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Isobornyl acrylate | Value type | NOEC |
| 5888-33-5 | Value | 0.405 mg/l |
| | Acute Toxicity Study Exposure time | Algae 72 h |
| | Species Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | EC50 |
| | Value | 1.98 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| N,N-Dimethylacrylamide | Value type | LC50 |
| 2680-03-7 | Value | > 120 mg/l |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | Oncorhynchus mykiss |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| N,N-Dimethylacrylamide | Value type | EC50 |
| 2680-03-7 | Value | > 120 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time Species | 48 h |
| | Method | Daphnia magna OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| N.N. Dimathylaamida | Value type | EC50 |
| N,N-Dimethylacrylamide 2680-03-7 | Value | > 400 mg/l |
| 2000 03 7 | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | NOEC |
| | Value | 50 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| N,N-Dimethylacrylamide | Value type | EC50 |
| 2680-03-7 | Value | > 1,000 mg/l |
| | Acute Toxicity Study | Bacteria |
| | Exposure time | 3 h |
| | Species Method | activated sludge, domestic OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Ethyl phenyl(2,4,6- | | LC50 |
| trimethylbenzoyl)phosphinate | Value type Value | 1.89 mg/l |
| 84434-11-7 | Acute Toxicity Study | Fish |
| 0.101.117 | Exposure time | 96 h |
| | Species | Danio rerio |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Ethyl phenyl(2,4,6- | Value type | EC50 |
| trimethylbenzoyl)phosphinate | Value | 2.26 mg/l |
| 84434-11-7 | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Ethyl phenyl(2,4,6- | Value type | EC50 |
| trimethylbenzoyl)phosphinate | Value | 1.01 mg/l |
| 84434-11-7 | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Desmodesmus subspicatus |
| 2.0 | Method | not specified |
| 2-Propenoic acid, homopolymer (oligomers) | Value type Value | LC50 27 mg/l |
| | | 1 / / TD(f/) |

| 2-Propenoic acid, homopolymer (oligomers) 2-Propenoic acid, homopolymer (oligomers) | Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value type Value type Value type Value type Value Acute Toxicity Study | Fish 96 h Oncorhynchus mykiss OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC > 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
|---|--|---|
| 2-Propenoic acid, homopolymer (oligomers) 2-Propenoic acid, homopolymer (oligomers) 2-Propenoic acid, homopolymer (oligomers) | Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Value type Value Acute Toxicity Study Exposure time Species | Oncorhynchus mykiss OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC > 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC > 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | NOEC > 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | > 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Species Method Value type Value Acute Toxicity Study Exposure time Species | Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Method Value type Value Acute Toxicity Study Exposure time Species | OECD Guideline 210 (fish early lite stage toxicity test) EC50 47 mg/l Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Value type Value Acute Toxicity Study Exposure time Species | EC50 47 mg/l Daphnia |
| (oligomers) 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Value Acute Toxicity Study Exposure time Species | 47 mg/l Daphnia |
| 9003-01-4 2-Propenoic acid, homopolymer (oligomers) | Acute Toxicity Study Exposure time Species | Daphnia |
| 2-Propenoic acid, homopolymer (oligomers) | Exposure time Species | |
| 2-Propenoic acid, homopolymer (oligomers) | Species | 48 h |
| 2-Propenoic acid, homopolymer (oligomers) | | |
| 2-Propenoic acid, homopolymer (oligomers) | | Daphnia magna OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| (oligomers) | | EC50 |
| (oligoineis) | 71 | |
| | Value | 18 mg/lca. |
| II =================================== | Acute Toxicity Study | Algae 72 h |
| | 1 | |
| | Species Method | Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata) OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | | |
| | 71 | EC10 |
| L | | 4 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | | Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata) |
| | | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | | EC20 |
| ` & ' | | 900 mg/l |
| 1 | Acute Toxicity Study | Bacteria |
| I ==================================== | Exposure time | 30 min |
| I ==================================== | | activated sludge, domestic |
| I I | | ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated |
| 12 (2 2 | | Sludge) |
| | - 1 | LC50 |
| | | 55 mg/l |
| I | Acute Toxicity Study Exposure time | Fish 96 h |
| I | | yo n Cyprinus carpio |
| | | |
| | | EU Method C.1 (Acute Toxicity for Fish) |
| | | EC50 |
| | Value | 324 mg/l |
| I <u>E</u> | | Daphnia |
| I | | 48 h |
| | | Simocephalus vetulus |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| | | EC50 |
| | Value | 350 mg/l |
| l " ' | Acute Toxicity Study | Algae |
| | | 96 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| I | Value type | NOEC |
| | Value | 130 mg/l |
| l | Acute Toxicity Study | Algae |
| | Exposure time | 96 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | EC50 |
| | Value | > 100 mg/l |
| | | Bacteria |
| l – | Exposure time | 3 h |
| | Species | activated sludge of a predominantly domestic sewage |
| | Method | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| | Value type | LC50 |
| | Value | > 10 - 22 mg/l |
| l | , , | Fish |
| | Exposure time | 96 h |
| l | Species | Leuciscus idus |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |

| 2 (2 Ethovyathovy) athyl complete | Value type | EC50 |
|--|---|---|
| 2-(2-Ethoxyethoxy)ethyl acrylate 7328-17-8 | Value type Value | 90 mg/l |
| 1320-17-0 | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Value type | EC50 |
| 7328-17-8 | Value | > 3.2 - < 10 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata (reported as Raphidocelis subcapitata) |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | NOEC |
| | Value | > 0.1 - 1 mg/I |
| | Acute Toxicity Study | Algae 72 h |
| | Exposure time Species | Pseudokirchneriella subcapitata (reported as Raphidocelis subcapitata) |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Value type | EC10 |
| 7328-17-8 | Value | 1,800 mg/l |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Acute Toxicity Study | Bacteria |
| | Exposure time | 17 h |
| | Species | |
| | Method | DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test) |
| | Value type | EC50 |
| | Value | 770 mg/l |
| | Acute Toxicity Study | Bacteria |
| | Exposure time | 3 h |
| | Species | activated sludge, domestic |
| 2 D : :12 : : : | Method | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 2-Propenoic acid, 2-carboxyethyl ester | Value type Value | EC50 > 1.71 - 3.55 mg/l |
| 24615-84-7 | Acute Toxicity Study | > 1.71 - 3.55 mg/l Algae |
| 2+013-0 1 -7 | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| A1:: -1 | Value type | LC50 |
| Acrylic acid | raiuc type | ILC30 |
| Acrylic acid 79-10-7 | Value | 27 mg/l |
| | | |
| | Value Acute Toxicity Study Exposure time | 27 mg/l Fish 96 h |
| | Value Acute Toxicity Study Exposure time Species | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) |
| | Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) |
| | Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC |
| | Value Acute Toxicity Study Exposure time Species Method Value type Value | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l |
| | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish |
| • | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d |
| | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes |
| 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) |
| 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 |
| 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Value type Value Value type Value Value type Value | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l |
| 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 |
| 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia |
| 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h |
| 79-10-7 Acrylic acid 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 |
| 79-10-7 Acrylic acid 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Value Value type Value Value type Value type Value type Value | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae |
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| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Value type Value type Value type Value type Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l Algae |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l Algae 72 h |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) |
| Acrylic acid 79-10-7 Acrylic acid 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) |
| Acrylic acid 79-10-7 Acrylic acid | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC20 |
| Acrylic acid 79-10-7 Acrylic acid 79-10-7 Acrylic acid 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Value type Value | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) |
| Acrylic acid 79-10-7 Acrylic acid 79-10-7 | Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type Value Acute Toxicity Study Exposure time Species Method Value type | 27 mg/l Fish 96 h Salmo gairdneri (new name: Oncorhynchus mykiss) EPA OTS 797.1400 (Fish Acute Toxicity Test) NOEC >= 10.1 mg/l Fish 45 d Oryzias latipes OECD Guideline 210 (fish early lite stage toxicity test) EC50 95 mg/l Daphnia 48 h Daphnia magna EPA OTS 797.1300 (Aquatic Invertebrate Acute Toxicity Test, Freshwater Daphnids) EC10 0.03 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC50 0.13 mg/l Algae 72 h Scenedesmus subspicatus (new name: Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test) EC20 900 mg/l |

| | Species | activated sludge, domestic |
|-------------------------------------|--|--|
| | Method | ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated |
| | ivietnod | Sludge) |
| Camphene | Value type | LC50 |
| 79-92-5 | Value | 0.72 mg/l |
| | Acute Toxicity Study | Fish |
| | | 96 h |
| | Exposure time | |
| | Species | Brachydanio rerio (new name: Danio rerio) |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Camphene | Value type | EC50 |
| 79-92-5 | Value | 0.72 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Camphene | Value type | EC50 |
| 79-92-5 | Value | 1.75 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata) |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | NOEC |
| | Value | 0.07 mg/l |
| | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Raphidocelis subcapitata (new name: Pseudokirchneriella subcapitata) |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| G 1 | | |
| Camphene | Value type | EC10 |
| 79-92-5 | Value | 490 mg/l |
| | Acute Toxicity Study | Bacteria |
| | Exposure time | 3 h |
| | Species | |
| | Method | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| 2-Hydroxyethyl acrylate | Value type | LC50 |
| 818-61-1 | Value | 4.8 mg/l |
| | Acute Toxicity Study | Fish |
| | Exposure time | 96 h |
| | Species | Pimephales promelas |
| | Method | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| 2-Hydroxyethyl acrylate | Value type | EC50 |
| 818-61-1 | Value | 9.3 mg/l |
| | Acute Toxicity Study | Daphnia |
| | Exposure time | 48 h |
| | Species | Daphnia magna |
| | Method | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| 2-Hydroxyethyl acrylate | Value type | EC50 |
| 818-61-1 | Value | 6 mg/l |
| 010 01 1 | Acute Toxicity Study | Algae |
| | Exposure time | 72 h |
| | Species | Pseudokirchneriella subcapitata |
| | | |
| | Method | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Value type | NOEC |
| | Value | 1 mg/l |
| | Acute Toxicity Study | Algae |
| | | 72 h |
| | Exposure time | |
| | Species | Pseudokirchneriella subcapitata |
| | Species Method | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) |
| 2-Hydroxyethyl acrylate | Species | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) EC10 |
| 2-Hydroxyethyl acrylate 818-61-1 | Species Method | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | Species Method Value type | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) EC10 |
| | Species Method Value type Value | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) EC10 > 100 mg/l |
| | Species Method Value type Value Acute Toxicity Study | Pseudokirchneriella subcapitata OECD Guideline 201 (Alga, Growth Inhibition Test) EC10 > 100 mg/l Bacteria |

Persistence and degradability:

| Isobornyl acrylate | Result | inherently biodegradable |
|--------------------|----------------------|--------------------------|
| 5888-33-5 | Route of application | aerobic |
| | Degradability | 73.9 % |

| | Method | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry |
|----------------------------------|---|---|
| | Wiethod | Test) |
| | Result | not readily biodegradable. |
| | Route of application | aerobic |
| | Degradability | 57 % |
| | Method | OECD Guideline 310 (Ready BiodegradabilityCO2 in Sealed Vessels (Headspace Test) |
| N,N-Dimethylacrylamide | Result | not readily biodegradable. |
| 2680-03-7 | Route of application | aerobic |
| | Degradability | 0 % |
| | Method | OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I)) |
| Ethyl phenyl(2,4,6- | Result | |
| trimethylbenzoyl)phosphinate | Route of application | aerobic |
| 84434-11-7 | Degradability | < 10 % |
| | Method | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| 2-Propenoic acid, homopolymer | Result | readily biodegradable |
| (oligomers) | Route of application | aerobic |
| 9003-01-4 | Degradability | 87.4 % |
| | Method | OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| | Result | inherently biodegradable |
| | Route of application | aerobic |
| | Degradability | 100 % |
| | Method | OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA |
| | Wethod | Test) |
| [3-(2,3- | Result | not readily biodegradable. |
| Epoxypropoxy)propyl]trimethox | Route of application | aerobic |
| ysilane | Degradability | 37 % |
| 2530-83-8 | Method | EU Method C.4-A (Determination of the "Ready" |
| 2530 03 0 | Method | BiodegradabilityDissolved Organic Carbon (DOC) Die-Away Test) |
| 2-(2-Ethoxyethoxy)ethyl acrylate | Result | BiodegiadabilityDissolved Organic Carbon (BOC) Dic-Away 10st) |
| 7328-17-8 | Route of application | no data |
| 7320-17-0 | Degradability | > 70 % |
| | Method | OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA |
| | Wethod | Test) |
| _ | Result | readily biodegradable |
| | Route of application | aerobic |
| | Degradability | 98 % |
| | Method | OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test) |
| 2-Propenoic acid, 2- | Result | not readily biodegradable. |
| carboxyethyl ester | Route of application | not specified |
| 24615-84-7 | Degradability | > 0 - 60 % |
| 2.010 0.17 | Method | OECD 301 A - F |
| Acrylic acid | Result | inherently biodegradable |
| 79-10-7 | Route of application | aerobic |
| 77 10 7 | Degradability | 100 % |
| | Method | OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA |
| | | 2_22 Galdeline 2022 (innerent clodegraduolity, Zuim Weitens/ElvitA |
| | | Test) |
| | Result | Test) |
| | Result Route of application | readily biodegradable |
| | Route of application | readily biodegradable aerobic |
| | Route of application Degradability | readily biodegradable aerobic 81 % |
| Camphene | Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) |
| Camphene 79-92-5 | Route of application Degradability Method Result | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. |
| Camphene 79-92-5 | Route of application Degradability Method Result Route of application | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic |
| | Route of application Degradability Method Result Route of application Degradability | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % |
| | Route of application Degradability Method Result Route of application | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic |
| | Route of application Degradability Method Result Route of application Degradability | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry |
| | Route of application Degradability Method Result Route of application Degradability Method Result | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| | Route of application Degradability Method Result Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable |
| | Route of application Degradability Method Result Route of application Degradability Method Result Route of application | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable aerobic |
| | Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable aerobic 78 % |
| 79-92-5 | Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| | Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) COECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) |
| 79-92-5 2-Hydroxyethyl acrylate | Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method Result Route of application Degradability Method Result Result Route of application Degradability Method | readily biodegradable aerobic 81 % OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test) not readily biodegradable. aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) inherently biodegradable aerobic 78 % OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test) readily biodegradable |

Bioaccumulative potential / Mobility in soil:

| Isobornyl acrylate | Bioconcentration factor (BCF) | 37 |
|---------------------------------|-------------------------------|--|
| 5888-33-5 | Exposure time | 56 h |
| | Species | Danio rerio |
| | Temperature | 24 °C |
| | Method | OECD Guideline 305 (Bioconcentration: Flow-through Fish Test) |
| Isobornyl acrylate 5888-33-5 | LogPow | 4.52 |
| | Temperature | |
| | Method | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |
| N,N-Dimethylacrylamide | LogPow | < 0.3 |
| 2680-03-7 | Temperature | 23 °C |
| | Method | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |
| Ethyl phenyl(2,4,6- | LogPow | 2.91 |
| trimethylbenzoyl)phosphinate | Temperature | 25 °C |
| 84434-11-7 | Method | EU Method A.8 (Partition Coefficient) |
| 2-Propenoic acid, homopolymer | LogPow | 0.23 |
| (oligomers) | Temperature | |
| 9003-01-4 | Method | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| [3-(2,3- | LogPow | 0.5 |
| Epoxypropoxy)propyl]trimethox | Temperature | 20 °C |
| ysilane 2530-83-8 | Method | QSAR (Quantitative Structure Activity Relationship) |
| 2-(2-Ethoxyethoxy)ethyl | LogPow | 1.2 |
| acrylate | Temperature | 23 °C |
| 7328-17-8 | Method | OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method) |
| 2-Propenoic acid, 2- | LogPow | 0.46 |
| carboxyethyl ester | Temperature | |
| 24615-84-7 | Method | |
| Acrylic acid | Bioconcentration factor (BCF) | 3.16 |
| 79-10-7 | Exposure time | |
| | Species | |
| | Temperature | |
| | Method | QSAR (Quantitative Structure Activity Relationship) |
| Acrylic acid | LogPow | 0.46 |
| 79-10-7 | Temperature | 25 °C |
| 77 10 7 | Method | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |
| Camphene | LogPow | 4.35 |
| 79-92-5 | Temperature | |
| | Method | not specified |
| 2-Hydroxyethyl acrylate | LogPow | -0.17 |
| 818-61-1 | Temperature | 25 °C |
| 010 01 1 | Method | OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method) |

Section 13. Disposal considerations

Product

Method of disposal: Dispose of in accordance with local and national regulations.

Packaging

Disposal of uncleaned packages: Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information

Road transport ADR:

Class: 9
Packing group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Isobornyl acrylate)

Railroad transport RID:

Class: 9
Packing group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Isobornyl acrylate)

Inland water transport ADN:

Class: 9
Packing group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9

Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Isobornyl acrylate)

Marine transport IMDG:

Class: 9
Packing group: III
UN no.: 3082
Label: 9
EmS: F-A ,S-F
Seawater pollutant: Marine pollutant

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (Isobornyl acrylate)

Air transport IATA:

Class: 9
Packing group: III
Packaging instructions (passenger): 964
Packaging instructions (cargo): 964
UN no.: 3082
Label: 9

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Isobornyl

acrylate)

Further information for transport:

The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), A197 (IATA), 2.10.2.7 (IMDG), NZ 4.3(10) may be applied, which can result in a deviation from the transport classification for packed goods.

Section 15. Regulatory information

Regulatory Information: Workplace Safety And Health Act (Chapter 354A, Section 40B) Workplace Safety And Health

(Approved Codes of Practice) Notification 2020.

Workplace Safety And Health Act (Chapter 354A, Section 65) Workplace Safety And Health

(General Provisions) (Amendment No.2) Regulations 2024

Global inventory status:

Notification Regulatory list **TSCA** yes DSL yes KECI (KR) yes ISHL (JP) yes **IECSC** yes AIIC yes **TCSI** yes

Section 16. Other information

Disclaimer:

This Safety Data Sheet has been generated based on Workplace Safety And Health Act (Chapter 354A, Section 40B) Workplace Safety And Health (Approved Codes of Practice) Notification 2020 and Workplace Safety And Health Act (Chapter 354A, Section 65) Workplace Safety And Health (General Provisions) (Amendment No.2) Regulations 2024 only. No warranty or representation of any kind is given with respect to the substantive or export laws of any other jurisdiction or country. Please confirm that the information provided herein conforms to the substantive export or other law of any other jurisdiction prior to export. Please contact Henkel Product Safety and Regulatory Affairs for additional assistance. This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

Henkel is committed to creating a sustainable future by promoting opportunities along the entire value chain. If you would like to contribute by switching from a paper to the electronic version of SDS, please contact the local Customer Service representative. We recommend to use a non-personal email address (e.g. SDS@your_company.com).

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