

SAFETY DATA SHEET



Corian® Joint Adhesive Component A

Version 3.0

Revision Date 12.07.2023

Document no. 150000004821

Issue Date 12.07.2023

This SDS adheres to the standards and regulatory requirements of New Zealand and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : Corian® Joint Adhesive Component A

Recommended use of the chemical and restriction on use

Recommended use : Adhesives and/or sealants
For professional users only.

Restrictions on use : Do not use product for anything outside of the above specified uses.

Manufacturer, importer, supplier, representative office

Company : Du Pont (Australia) Pty Ltd
Street address : 15 Blackman Crescent
South Windsor NSW 2756
Australia

Telephone : 0800 555 799
Telefax : +61 3 9935 5636

Emergency telephone number : 24-hour Medical Emergency: 0800 111174;
Transport Emergency: 9801 0034

2. HAZARDS IDENTIFICATION

NEW ZEALAND HAZARDOUS SUBSTANCE CLASSIFICATION: Classified as hazardous according to criteria in the New Zealand Hazardous Substances (Hazard Classification) Notice 2020. Refer to Section 15 for HSNO Approval Number.

Classified as a Dangerous Good according to NZS 5433

HSNO Classification:

Flammable solids : Category 1
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2
Skin sensitisation : Category 1
Specific target organ toxicity - single exposure : Category 3 (Respiratory system)
Hazardous to the aquatic environment - chronic hazard : Category 3

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

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Pictogram

:



Signal word

:

Danger

Hazardous warnings

:

Flammable solid.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
Harmful to aquatic life with long lasting effects.

Precautionary statements

:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Ground and bond container and receiving equipment.
Use explosion-proof electrical/ ventilating/ lighting equipment.
Avoid breathing dust.
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
IF ON SKIN: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

:

Mixture

Components

Chemical name

CAS-No.

Concentration

| | | |
|--------------------------------------|-----------|----------|
| Methyl methacrylate | 80-62-6 | 60 - 70% |
| Polymethyl methacrylate | 9011-14-7 | 20 - 30% |
| Propylidynetrimethyl trimethacrylate | 3290-92-4 | 1 - 3% |

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| | | |
|---|------------|----------|
| Methacrylic acid | 79-41-4 | 1 - 3% |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | 2440-22-4 | 1 - 3% |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | 52829-07-9 | 0.3 - 1% |

4. FIRST AID MEASURES

| | |
|---|---|
| Inhalation | : Remove from exposure, lie down. Consult a physician after significant exposure. |
| Skin contact | : Wash off immediately with soap and plenty of water. |
| Eye contact | : In case of eye contact Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention. |
| Ingestion | : If symptoms persist, call a physician. |
| Most important symptoms/effects, acute and delayed | : For further information see Section 11. |
| Protection of first-aiders | : If potential for exposure exists refer to Section 8 for specific personal protective equipment. |
| Notes to physician | : No specific intervention is indicated. Treat symptomatically. |

5. FIREFIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media | : Alcohol-resistant foam, Water spray, Dry chemical, Carbon dioxide (CO2) |
| Unsuitable extinguishing media | : High volume water jet |
| Specific hazards | : Hazardous combustion products Carbon monoxide, carbon dioxide |
| Special protective equipment for firefighters | : Wear self-contained breathing apparatus and protective suit. |
| Specific extinguishing methods | : No information available. |
| Further information | : Evacuate personnel and keep upwind of fire. Do not allow run-off from fire fighting to enter drains or water courses. |
| Hazchem Code | : 1Z |

6. ACCIDENTAL RELEASE MEASURES

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- Personal precautions, protective equipment and emergency procedures** : Wear personal protective equipment.
- Environmental precautions** : Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.
- Methods and materials for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling

- Technical measures/Precautions** : Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Avoid contact with skin and eyes. Use only in well-ventilated areas. Wash hands before breaks and at the end of workday. Keep away from food and drink. Wash contaminated clothing before re-use.
- Precautions for safe handling** : Keep product and empty container away from heat and sources of ignition. When using do not smoke.

Storage

- Suitable storage conditions** : Keep containers tightly closed in a cool, well-ventilated place.
- Storage period: Storage temperature: 5 - 23 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Applicable occupational exposure limits are listed below.

| Methyl methacrylate | | |
|---------------------|-------------------------------|---------------------|
| WES-TWA | 50 ppm 208 mg/m ³ | NZ OEL (2021-04-01) |
| WES-STEL | 100 ppm 416 mg/m ³ | NZ OEL (2021-04-01) |
| TWA | 50 ppm | ACGIH (2016-03-01) |
| STEL | 100 ppm | ACGIH (2016-03-01) |
| Methacrylic acid | | |
| WES-TWA | 20 ppm 70 mg/m ³ | NZ OEL (2002-01-01) |
| TWA | 20 ppm | ACGIH (2013-03-01) |

Biological occupational exposure limits

No biological exposure limit values are applicable.

- Engineering measures** : Use sufficient ventilation to keep employee exposure below recommended limits.

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Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Mask with gas filter, type A (EN 141)
- Hand protection : Material: Rubber gloves
- Eye protection : Safety glasses
- Skin protection : No information available.

- Hygiene measures** : Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

- Physical state : solid
- Form : solid
- Colour : various, coloured

- Odour** : pungent acrylic-like

- Odour Threshold** : not determined

- pH** : Not applicable

Melting point/freezing point

- Melting point/range : not determined

Initial boiling point and boiling range

- Boiling point/boiling range : 101 °C

- Flash point** : 9 °C

- Evaporation rate** : No information available.

- Flammability** : The substance or mixture is a flammable solid with the category 1.

Upper/lower flammability or explosive limits

- Upper explosion limit : 12.5 vol%
- Lower explosion limit : 2.1 vol%

- Vapour pressure** : 47 hPa (20 °C)

- Vapour density** : No information available.

Density

- Density : 1 g/cm³ (20 °C)


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Solubility(ies)

Water solubility : immiscible

Particle characteristics

Assessment : No information available.

Partition coefficient: n-octanol/water

: No information available.

Auto-ignition temperature

Auto-ignition temperature : not auto-flammable

Ignition temperature : 430 °C

Decomposition temperature

: No information available.

Viscosity

Viscosity, kinematic : No information available.

Molecular weight

: No information available.

Oxidizing properties

: No information available.

10. STABILITY AND REACTIVITY
Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No information available.

Conditions to avoid : Heat Exposure to sunlight.

Materials to avoid : Reducing agents, Oxidizing agents

Hazardous decomposition products : Hazardous decomposition products, Carbon dioxide (CO₂), Carbon monoxide, Carbon oxides, Smoke, acrid fumes, Acrylic monomers

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral

Methyl methacrylate : LD50/Rabbit: 6,550 mg/kg

Polymethyl methacrylate : LD50/Rabbit: 6,550 mg/kg

The substance or mixture has no acute oral toxicity
Information given is based on data obtained from similar substances.Propylidynetrimethyl trimethacrylate : LD50/Rat: > 2,000 mg/kg
Method: OECD Test Guideline 423

The substance or mixture has no acute oral toxicity

Methacrylic acid : LD50/Rat: 1,320 mg/kg

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| | | |
|---|---|--|
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : | Method: OECD Test Guideline 401 LD50/Rat: 10,000 mg/kg |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : | Method: OECD Test Guideline 423 LD50/Rat: 3,700 mg/kg |
| Inhalation | | |
| Methyl methacrylate | : | LC50/4 h/Rat(vapour): 29.8 mg/l Target Organs: Respiratory system The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. |
| Polymethyl methacrylate | : | LC50/4 h/Rat(vapour): 29.8 mg/l The substance or mixture has no acute inhalation toxicity Information given is based on data obtained from similar substances. |
| Propylidynetrimethyl trimethacrylate | : | no data available |
| Methacrylic acid | : | LC50/4 h/Rat(dust/mist): 3.4 mg/l Method: OECD Test Guideline 403 Target Organs: Respiratory system The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation, eye effects, Respiratory effects, Central nervous system effects |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : | LC50/4 h/Rat(dust/mist): 163 mg/l |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : | no data available |
| Dermal | | |
| Methyl methacrylate | : | LD50/Rabbit: > 5,000 mg/kg The substance or mixture has no acute dermal toxicity |
| Polymethyl methacrylate | : | LD50/Rabbit: > 5,000 mg/kg The substance or mixture has no acute dermal toxicity Information given is based on data obtained from similar substances. |
| Propylidynetrimethyl trimethacrylate | : | LD50/Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 The substance or mixture has no acute dermal toxicity |
| Methacrylic acid | : | Acute toxicity estimate/Rabbit: 300 mg/kg Method: Expert judgement |
| Skin corrosion/irritation | | |
| Methyl methacrylate | : | Species: Rabbit Result: Severe skin irritation Classification: Irritating to skin. |
| Polymethyl methacrylate | : | Species: Rabbit Result: Slight or no skin irritation Classification: No skin irritation Minimal effects that do not meet the threshold for classification. |
| Propylidynetrimethyl trimethacrylate | : | Species: Rabbit Result: Slight or no skin irritation Classification: No skin irritation Method: OECD Test Guideline 404 Minimal effects that do not meet the threshold for classification. |
| Methacrylic acid | : | Species: Rabbit Result: Corrosive after 3 minutes or less of exposure Classification: Causes severe burns. Method: OECD Test Guideline 404 |


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- 2-(2H-Benzotriazol-2-yl)-p-cresol : Species: Rat
 Result: No skin irritation
 Classification: Not classified as irritant
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : Species: Rabbit
 Result: No skin irritation
 Classification: Not classified as irritant
 Method: US EPA Test Guideline OPP 81-5

Serious eye damage/eye irritation

- Methyl methacrylate : Species: Rabbit
 Result: No eye irritation
 Classification: Not classified as irritant
- Polymethyl methacrylate : Species: Rabbit
 Result: Slight or no eye irritation
 Classification: No eye irritation
 Minimal effects that do not meet the threshold for classification.
- Propylidynetrimethyl trimethacrylate : Species: Rabbit
 Result: Slight or no eye irritation
 Classification: No eye irritation
 Method: OECD Test Guideline 405
 Minimal effects that do not meet the threshold for classification.
- Methacrylic acid : Species: Rabbit
 Result: Corrosive
 Classification: Corrosive
- 2-(2H-Benzotriazol-2-yl)-p-cresol : Species: Rabbit
 Result: No eye irritation
 Classification: Not classified as irritant
 Method: OECD Test Guideline 405
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : Species: Rabbit
 Result: Irreversible effects on the eye
 Classification: Risk of serious damage to eyes.
 Method: OECD Test Guideline 405

Respiratory or skin sensitisation

- Methyl methacrylate : Species: Guinea pig
 Result: May cause sensitisation by skin contact.
 Classification: May cause sensitisation by skin contact.
 Method: OECD Test Guideline 429
- Polymethyl methacrylate : Species: human
 Result: Does not cause respiratory sensitisation.
 Classification: Does not cause respiratory sensitisation.
- Polymethyl methacrylate : Species: Guinea pig
 Result: Does not cause skin sensitisation.
 Classification: Does not cause skin sensitisation.
 Method: Maximisation Test
- Propylidynetrimethyl trimethacrylate : Species: Guinea pig
 Result: Does not cause skin sensitisation.
 Classification: Does not cause skin sensitisation.
 Method: OECD Test Guideline 406
- Methacrylic acid : Species: Guinea pig
 Result: Does not cause skin sensitisation.
 Classification: Does not cause skin sensitisation.
 Method: OECD Test Guideline 406

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| | |
|---|---|
| | Species: Not tested on animals Result: Does not cause respiratory sensitisation. Classification: Does not cause respiratory sensitisation. |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : Species: Guinea pig Result: Probability or evidence of low to moderate skin sensitisation rate in humans Classification: The product is a skin sensitizer, sub-category 1B. Method: OECD Test Guideline 406 |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : Maximisation Test Species: Guinea pig Result: Does not cause skin sensitisation. Classification: Does not cause skin sensitisation. Method: OECD Test Guideline 406 |
| Germ cell mutagenicity | |
| Methyl methacrylate | : Animal testing did not show any mutagenic effects. |
| Polymethyl methacrylate | : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others. Information given is based on data obtained from similar substances. |
| Propylidynetrimethyl trimethacrylate | : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others. |
| Methacrylic acid | : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured mammalian cells. Genetic damage in cultured bacterial cells was observed in some laboratory tests but not in others. |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals. |
| Carcinogenicity | |
| Methyl methacrylate | : Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. |
| Polymethyl methacrylate | : Weight of evidence does not support classification as a carcinogen Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances. |
| Propylidynetrimethyl trimethacrylate | : Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. |
| Methacrylic acid | : Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects. |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : no data available |

Reproductive toxicity

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|---|---|---|
| Methyl methacrylate | : | Reproductive toxicity: No toxicity to reproduction No effects on or via lactation Animal testing showed no reproductive toxicity. Teratogenicity: Animal testing showed no developmental toxicity. |
| Polymethyl methacrylate | : | Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. No effects on or via lactation Information given is based on data obtained from similar substances. Teratogenicity: Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances. |
| Propylidynetrimethyl trimethacrylate | : | Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity. |
| Methacrylic acid | : | Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. Teratogenicity: Animal testing showed no developmental toxicity. |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : | Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. Teratogenicity: Animal testing showed no developmental toxicity. |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : | Reproductive toxicity: No toxicity to reproduction Teratogenicity: No toxicity to reproduction |

Specific Target Organ Toxicity

Specific target organ toxicity - single exposure

| | | |
|---|---|---|
| Methyl methacrylate | : | Target Organs: Respiratory system The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. |
| Polymethyl methacrylate | : | The substance or mixture is not classified as specific target organ toxicant, single exposure. |
| Propylidynetrimethyl trimethacrylate | : | The substance or mixture is not classified as specific target organ toxicant, single exposure. |
| Methacrylic acid | : | Target Organs: Respiratory system The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation. |
| 2-(2H-Benzotriazol-2-yl)-p-cresol | : | The substance or mixture is not classified as specific target organ toxicant, single exposure. |
| Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate | : | The substance or mixture is not classified as specific target organ toxicant, single exposure. |

Specific target organ toxicity - repeated exposure

| | | |
|-------------------------|---|--|
| Methyl methacrylate | : | The substance or mixture is not classified as specific target organ toxicant, repeated exposure. |
| Polymethyl methacrylate | : | The substance or mixture is not classified as specific target organ toxicant, repeated exposure. |

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- Propylidynetrimethyl trimethacrylate : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Methacrylic acid : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- 2-(2H-Benzotriazol-2-yl)-p-cresol : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

- Polymethyl methacrylate : No aspiration toxicity classification
- Propylidynetrimethyl trimethacrylate : No aspiration toxicity classification
- Methacrylic acid : No aspiration toxicity classification
- 2-(2H-Benzotriazol-2-yl)-p-cresol : No aspiration toxicity classification
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : No aspiration toxicity classification

Other

- Methyl methacrylate : Repeated dose toxicity:
Oral/Rat
NOAEL: > 3300,
No toxicologically significant effects were found.
- Polymethyl methacrylate : Repeated dose toxicity:
Oral/Rat 2 yr
No observed adverse effect level: 124 mg/kg
Information given is based on data obtained from similar substances., No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
Inhalation/Rat
No observed adverse effect level: 1.64 mg/l
Method: OECD Test Guideline 453
Information given is based on data obtained from similar substances., No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.
- Propylidynetrimethyl trimethacrylate : Repeated dose toxicity:
Ingestion/Rat 90 d
NOAEL: 300 mg/kg
LOAEL: 1,000 mg/kg
Method: OECD Test Guideline 408
No toxicologically significant effects were found.
- Methacrylic acid : Repeated dose toxicity:
Inhalation/Rat
NOAEL: 0.352 mg/l
Method: OECD Test Guideline 413
No toxicologically significant effects were found.

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- 2-(2H-Benzotriazol-2-yl)-p-cresol : Repeated dose toxicity:
Oral/Rat
NOAEL: 500 mg/kg
Method: OECD Test Guideline 408
Organ weight changes
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : Repeated dose toxicity:
Ingestion/Rat 90 d
NOAEL: > 277 mg/kg
Method: OECD Test Guideline 408
No toxicologically significant effects were found.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Acute and prolonged toxicity to fish

- Methyl methacrylate : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 79 mg/l
Polymethyl methacrylate : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 79 mg/l
Method: EPA OTS 797.1400
Information given is based on data obtained from similar substances.
- Propylidynetrimethyl trimethacrylate : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 2 mg/l
Method: OECD Test Guideline 203
- Methacrylic acid : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 85 mg/l
2-(2H-Benzotriazol-2-yl)-p-cresol : LC50/96 h/Fish: > 100 mg/l
Method: OECD Test Guideline 203
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 4.4 mg/l
Method: OECD Test Guideline 203

Toxicity to aquatic plants

- Methyl methacrylate : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 110 mg/l
Method: OECD Test Guideline 201
NOEC/72 h/Pseudokirchneriella subcapitata (green algae): 110 mg/l
Method: OECD Test Guideline 201
- Polymethyl methacrylate : EC50/72 h/Pseudokirchneriella subcapitata (green algae): > 110 mg/l
Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.
NOEC/72 h/Pseudokirchneriella subcapitata (green algae): 110 mg/l
Method: OECD Test Guideline 201
Information given is based on data obtained from similar substances.
- Propylidynetrimethyl trimethacrylate : EC50/72 h/Pseudokirchneriella subcapitata (green algae): 3.88 mg/l
Method: OECD Test Guideline 201
NOEC/72 h/Pseudokirchneriella subcapitata (green algae): 0.177 mg/l
Method: OECD Test Guideline 201
- Methacrylic acid : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 45 mg/l
NOEC/72 h/Pseudokirchneriella subcapitata (green algae): 8.2 mg/l
2-(2H-Benzotriazol-2-yl)-p-cresol : ErC50/72 h/Desmodesmus subspicatus (green algae): > 100 mg/l
Method: Directive 67/548/EEC, Annex V, C.3.
NOEC/72 h/Desmodesmus subspicatus (green algae): 33 mg/l
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): 1.1 mg/l
Method: OECD Test Guideline 201
NOEC/72 h/Pseudokirchneriella subcapitata (green algae): 0.05 mg/l

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Method: OECD Test Guideline 201

Acute toxicity to aquatic invertebrates

- Methyl methacrylate : EC50/48 h/Daphnia magna (Water flea): 69 mg/l
Method: see user defined free text
- Polymethyl methacrylate : LC50/48 h/Daphnia magna (Water flea): 69 mg/l
Method: EPA OTS 797.1300
Information given is based on data obtained from similar substances.
- Propylidynetrimethyl trimethacrylate : LC50/48 h/Daphnia magna (Water flea): > 9.22 mg/l
Method: OECD Test Guideline 202
- Methacrylic acid : EC50/48 h/Daphnia magna (Water flea): > 130 mg/l
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : EC50/48 h/Daphnia magna (Water flea): 8.58 mg/l
Method: OECD Test Guideline 202

Chronic toxicity to fish

- Methyl methacrylate : NOEC/35 d/Danio rerio (zebra fish): 9.4 mg/l
Method: OECD Test Guideline 210
- Polymethyl methacrylate : NOEC/35 d/Danio rerio (zebra fish): 9.4 mg/l
Method: OECD Test Guideline 210
Information given is based on data obtained from similar substances.
- Propylidynetrimethyl trimethacrylate : NOEC/32 d/Pimephales promelas (fathead minnow): 0.138 mg/l
Method: OECD Test Guideline 210
- Methacrylic acid : NOEC/35 d/Danio rerio (zebra fish): 10 mg/l

Chronic toxicity to aquatic Invertebrates

- Methyl methacrylate : NOEC/21 d/Daphnia magna (Water flea): 37 mg/l
Method: OECD Test Guideline 211
- Polymethyl methacrylate : NOEC/21 d/Daphnia magna (Water flea): 37 mg/l
Method: OECD Test Guideline 211
Information given is based on data obtained from similar substances.
- Methacrylic acid : NOEC/21 d/Daphnia magna (Water flea): 53 mg/l
- 2-(2H-Benzotriazol-2-yl)-p-cresol : NOEC/21 d/Daphnia magna (Water flea): 0.013 mg/l
Method: OECD Test Guideline 211
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : NOEC/21 d/Daphnia magna (Water flea): 0.23 mg/l
Method: OECD Test Guideline 211

Persistence and degradability

- Methyl methacrylate : Result: rapidly biodegradable
Readily biodegradable.
- Polymethyl methacrylate : Result: Biodegradable
Information given is based on data obtained from similar substances.
- Propylidynetrimethyl trimethacrylate : Result: Not biodegradable
Not readily biodegradable.
- Methacrylic acid : Result: rapidly biodegradable
- 2-(2H-Benzotriazol-2-yl)-p-cresol : Result: Not biodegradable
- Bis(2,2,6,6-Tetramethyl-4-Piperidyl) Sebacate : Exposure time: 28 d
Biodegradation: 10 - 24 %
Result: Not biodegradable

Bioaccumulation

- Methyl methacrylate : Bioaccumulation is unlikely.
- Polymethyl methacrylate : Bioaccumulation is unlikely.
- Propylidynetrimethyl : Bioaccumulation is unlikely.

SAFETY DATA SHEET



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trimethacrylate
2-(2H-Benzotriazol-2-yl)-p-cresol : Method: OECD Test Guideline 305C
Bioaccumulation is unlikely.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : Do not dispose of together with household waste. Do not flush into surface water or sanitary sewer system. In accordance with local and national regulations.

Contaminated packaging : Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

NZS 5433

UN number : 1325
UN proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Methyl methacrylate)
Transport hazard class : 4.1
Packing group : II

IMDG

UN number : 1325
UN proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Methyl methacrylate)
Transport hazard class : 4.1
Packing group : II
Marine pollutant : no

IATA

UN number : 1325
UN proper shipping name : FLAMMABLE SOLID, ORGANIC, N.O.S.
(Methyl methacrylate)
Transport hazard class : 4.1
Packing group : II

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Not applicable

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15. REGULATORY INFORMATION

HSNO Number : HSR002522

Certified handler certificate not required.

Tracking hazardous substance not required.

Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

16. OTHER INFORMATION**References**

SDS Number: 150000004821

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