

## Section 1. Identification of the substance and supplier

### Product identifier

Mixture identification:

Trade name: MAPEFLOOR CPU TC /B

Trade code: 9024112

### Recommended use of the chemical and restrictions on use

Recommended use: Hardener for polyurethane resins

Uses advised against: Data not available

### Supplier's details

Company: MBP (NZ) Ltd. - 88 Carbine Road, Mount Wellington, Auckland 1060, New Zealand  
enquiries@MBPLtd.co.nz - www.MBPLtd.co.nz

### Emergency phone number

New Zealand Poisons Centre: Ph: 0800 764 766

## Section 2. Hazards identification

### HSNO hazard classification

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001

### HSNO classification:

- 6.1D (inhalation) H332 - Harmful if inhaled.
- 6.3A H315 - Causes skin irritation.
- 6.4A H319 - Causes serious eye irritation.
- 6.5A H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- 6.5B H317 - May cause an allergic skin reaction.
- 6.7B H351.G - Suspected of causing cancer if inhaled, in contact with skin and if swallowed.
- 6.1E (respiratory tract irritant) H335 - May cause respiratory irritation.
- 6.9B (Repeated exposure) H373.G - May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

### Hazard information

#### Pictograms and Signal Words



Danger

### Hazard statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer if inhaled, in contact with skin and if swallowed.
- H373 May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed.

### Precautionary statements:

- P102 Keep out of reach of children.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.

|                |  |
|----------------|--|
| P272           | Contaminated work clothing should not be allowed out of the workplace.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P281           | Use personal protective equipment as required.   |
| P285           | In case of inadequate ventilation wear respiratory protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of soap and water.  |
| P304+P340      | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.                                 |
| P304+P341      | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.      |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P312           | Call a POISON CENTER or doctor/physician if you feel unwell.   |
| P314           | Get medical advice/attention if you feel unwell.   |
| P321           | Specific treatment (see supplementary instructions on this label).   |
| P333+P313      | If skin irritation or rash occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  |
| P362           | Take off contaminated clothing and wash before reuse.  |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container in accordance with applicable regulations.   |

**Other hazards which do not result in a classification**

No other hazards

**Section 3. Composition/information on ingredients**

**Substances**

N.A.

**Mixtures**

Mixture identification: MAPEFLOOR CPU TC /B

**Hazardous components within the meaning of HSNO Act and related classification**

| <b>Concentration (% w/w)</b> | <b>Name</b>  | <b>Ident. Numb.</b>                                 | <b>Classification</b>  |
|------------------------------|--|---|--|
| ≥75 - <100 %                 | diphenylmethanediisocyanate isomers and homologues                         | CAS:9016-87-9<br>EC:618-498-9<br>Index:615-005-00-9 | 6.1D (inhalation), H332; 6.4A, H319; 6.1E (respiratory tract irritant), H335; 6.3A, H315; 6.5A, H334; 6.5B, H317; 6.9B (Repeated exposure), H373; 6.7B, H351 |
| ≥10 - <20 %                  | 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate     | CAS:101-68-8<br>EC:202-966-0<br>Index:615-005-00-9  | 6.1D (inhalation), H332; 6.4A, H319; 6.1E (respiratory tract irritant), H335; 6.3A, H315; 6.5A, H334; 6.5B, H317; 6.9B (Repeated exposure), H373; 6.7B, H351 |
| ≥5 - <10 %                   | o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate | CAS:5873-54-1<br>EC:227-534-9<br>Index:615-005-00-9 | 6.7B, H351; 6.9B (Repeated exposure), H373; 6.4A, H319; 6.1E (respiratory tract irritant), H335; 6.3A, H315; 6.5A, H334; 6.5B, H317; 6.1D (inhalation), H332 |
| ≥0.49 - <1 %                 | 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate     | CAS:2536-05-2<br>EC:219-799-4<br>Index:615-005-00-9 | 6.7B, H351; 6.9B (Repeated exposure), H373; 6.4A, H319; 6.1E (respiratory tract irritant), H335; 6.3A, H315; 6.5A, H334; 6.5B, H317; 6.1D (inhalation), H332 |

**Section 4. First aid measures**

**Description of necessary first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.  
Remove contaminated clothing immediately and dispose of safely.  
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.  
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

If breathing is irregular or stopped, administer artificial respiration.  
In case of inhalation, consult a doctor immediately and show him packing or label.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

(see paragraph 4.1)

#### **Most important symptoms/effects, acute and delayed**

Eye irritation  
Eye damages  
Skin Irritation  
Erythema

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### **Section 5. Fire-fighting measures**

#### **Extinguishing media**

Suitable extinguishing media:

Water.  
Carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media:

None in particular.

#### **Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.  
Hazardous combustion products: N.A.  
Explosive properties: N.A.  
Oxidizing properties: N.A.

#### **Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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### **Section 6. Accidental release measures**

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

Wear personal protection equipment.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
Provide adequate ventilation.  
Use appropriate respiratory protection.

#### **Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Limit leakages with earth or sand.

#### **Methods and materials for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand  
Retain contaminated washing water and dispose it.

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### **Section 7. Handling and storage**

#### **Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Exercise the greatest care when handling or opening the container.  
Do not use on extensive surface areas in premises where there are occupants.  
Use localized ventilation system.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

Always keep in a well ventilated place.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

**Section 8. Exposure controls/personal protection**

**Workplace Exposure Standards**

**List of components with OEL value**

| Component  | OEL Type | Country     | Ceiling | Long Term mg/m3 | Long Term ppm | Short Term mg/m3 | Short Term ppm | Behaviour Note |
|--|----------|-------------|---------|-----------------|---------------|------------------|----------------|----------------|
| 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate | NZL      | NEW ZEALAND |         | 0.020           |               | 0.070            |                |                |

**Predicted No Effect Concentration (PNEC) values**

| Component  | CAS-No.   | PNEC Limit     | Exposure Route                      | Exposure Frequency | Remark |
|--|-----------|----------------|-------------------------------------|--------------------|--------|
| 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate     | 101-68-8  | 1 mg/l         | Fresh Water                         |                    |        |
|  |           | 0.1 mg/l       | Marine water                        |                    |        |
|  |           | 1 mg/kg        | Soil                                |                    |        |
|  |           | 1 mg/l         | Microorganisms in sewage treatments |                    |        |
|  |           | 10.000000 mg/l | Intermittent release                |                    |        |
| o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate | 5873-54-1 | 1 mg/l         | Fresh Water                         |                    |        |
|  |           | 0.1 mg/l       | Marine water                        |                    |        |
|  |           | 1 mg/kg        | Soil                                |                    |        |
|  |           | 1 mg/l         | Microorganisms in sewage treatments |                    |        |
|  |           |                |                                     |                    |        |
| 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate     | 2536-05-2 | 1 mg/l         | Fresh Water                         |                    |        |
|  |           | 0.1 mg/kg      | Marine water                        |                    |        |
|  |           | 1 mg/l         | Soil                                |                    |        |
|  |           | 1 mg/l         | Microorganisms in sewage treatments |                    |        |
|  |           |                |                                     |                    |        |

**Derived No Effect Level. (DNEL)**

| Component  | CAS-No.  | Worker Industrial | Worker Professional | Consumer | Exposure Route | Exposure Frequency           | Remark |
|--|----------|-------------------|---------------------|----------|----------------|------------------------------|--------|
| 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate | 101-68-8 | 50 mg/kg          |                     |          | Human Dermal   | Short Term, systemic effects |        |

|   |           |                |                |                  |                              |
|---|-----------|----------------|----------------|------------------|------------------------------|
|   |           | 0.1<br>mg/m3   |                | Human Inhalation | Short Term, systemic effects |
|   |           | 0.1<br>mg/m3   |                | Human Inhalation | Short Term, local effects    |
|   |           | 0.05<br>mg/m3  |                | Human Inhalation | Long Term, systemic effects  |
|   |           | 0.05<br>mg/m3  |                | Human Inhalation | Long Term, local effects     |
|   |           |                | 25<br>mg/kg    | Human Dermal     | Short Term, systemic effects |
|   |           |                | 0.05<br>mg/m3  | Human Inhalation | Short Term, systemic effects |
|   |           |                | 20<br>mg/kg    | Human Oral       | Short Term, systemic effects |
|   |           |                | 0.05<br>mg/m3  | Human Inhalation | Short Term, local effects    |
|   |           |                | 0.025<br>mg/m3 | Human Inhalation | Long Term, systemic effects  |
|   |           |                | 0.025<br>mg/m3 | Human Inhalation | Long Term, local effects     |
|   |           | 28.7<br>mg/cm2 | 17.2<br>mg/cm2 | Human Dermal     | Short Term, local effects    |
| o-(p-isocyanatobenzyl)phenyl isocyanate;<br>diphenylmethane-2,4'-diisocyanate | 5873-54-1 | 50<br>mg/kg    | 25<br>mg/kg    | Human Dermal     | Short Term, systemic effects |
|   |           | 0.1<br>mg/m3   | 0.05<br>mg/m3  | Human Inhalation | Short Term, systemic effects |
|   |           | 28.7<br>mg/cm2 | 17.2<br>mg/cm2 | Human Dermal     | Short Term, local effects    |
|   |           | 0.1<br>mg/m3   | 0.05<br>mg/m3  | Human Inhalation | Short Term, local effects    |
|   |           | 0.05<br>mg/m3  | 0.025<br>mg/m3 | Human Inhalation | Long Term, systemic effects  |
|   |           | 0.05<br>mg/m3  | 0.025<br>mg/m3 | Human Inhalation | Long Term, local effects     |
|   |           |                | 20<br>mg/kg    | Human Oral       | Short Term, systemic effects |
| 2,2'-methylenediphenyl diisocyanate;<br>diphenylmethane-2,2'-diisocyanate     | 2536-05-2 | 50<br>mg/kg    | 25<br>mg/kg    | Human Dermal     | Short Term, systemic effects |
|   |           | 0.1<br>mg/m3   | 0.05<br>mg/m3  | Human Inhalation | Short Term, systemic effects |
|   |           | 28.7<br>mg/cm2 | 17.2<br>mg/cm2 | Human Dermal     | Short Term, local effects    |
|   |           | 0.1<br>mg/m3   | 0.05<br>mg/m3  | Human Inhalation | Short Term, local effects    |
|   |           | 0.05<br>mg/m3  | 0.025<br>mg/m3 | Human Inhalation | Long Term, systemic effects  |
|   |           | 0.05<br>mg/m3  | 0.025<br>mg/m3 | Human Inhalation | Long Term, local effects     |
|   |           |                | 20<br>mg/kg    | Human Oral       | Long Term, systemic effects  |

## Engineering Controls

Date 17/03/2021

Production Name

MAPEFLOOR CPU TC /B

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N.A.

### **Personal Protective Equipment (PPE)**

#### Eye protection:

Use close fitting safety goggles, don't use eye lens.

#### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### Protection for hands:

Suitable materials for safety gloves; AS/NZS 2161.10:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

#### Respiratory protection:

Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

In case of insufficient ventilation use mask with ABEKP filters (EN 14387).

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

Use adequate protective respiratory equipment.

#### Thermal Hazards:

N.A.

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## **Section 9. Physical and chemical properties**

Physical state: Liquid

Appearance and colour: Liquid light brown

Odour: Characteristic

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: N.A.

Flash point: N.A.

Flammability (Solid, Gas): N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour pressure: N.A.

Vapour density: N.A.

Relative density: N.A.

Solubility in water: partly soluble

Solubility in oil: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Kinematic viscosity: N.A.

Particle characteristics: No data available

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## **Section 10. Stability and reactivity**

### **Reactivity**

Stable under normal conditions

### **Chemical stability**

Data not available.

### **Possibility of hazardous reactions**

None.

### **Conditions to avoid**

Stable under normal conditions.

### **Incompatible materials**

None in particular.

### **Hazardous decomposition products**

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## **Section 11. Toxicological information**

### **Information on toxicological effects**

#### **Toxicological information of the mixture:**

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

**Toxicological information on main components of the mixture:**

|  |                                      |  |      |
|--|--------------------------------------|--|------|
| diphenylmethanediisocyanate isomers and homologues                         | a) acute toxicity                    | LD50 Oral Rat > 10000 mg/kg                          |      |
|  |                                      | LD50 Skin Rabbit > 9400 mg/kg                        |      |
|  |                                      | LC50 Inhalation Dust Rat = 0.31 mg/l 4h              |      |
|  |                                      | LD50 Skin Rabbit > 9.4 g/kg                          |      |
|  |                                      | LC50 Inhalation Rat = 490 mg/m <sup>3</sup> 4h       |      |
|  |                                      | LD50 Oral Rat = 49 g/kg                              |      |
|  | g) reproductive toxicity             | NOAEL Inhalation Rat = 12 mg/m <sup>3</sup>          |      |
| 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate     | a) acute toxicity                    | LD50 Oral Rat > 2000 mg/kg                           |      |
|  |                                      | LD50 Skin Rabbit > 9400 mg/kg                        |      |
|  |                                      | LC50 Inhalation Dust Rat = 0.368 mg/l 4h             |      |
|  |                                      | LC50 Inhalation Rat = 369 mg/m <sup>3</sup> 4h       |      |
|  |                                      | LD50 Oral Rat = 31600 mg/kg                          |      |
|  | b) skin corrosion/irritation         | Skin Irritant Skin Rabbit Positive                   |      |
|  | d) respiratory or skin sensitisation | Skin Sensitization Skin Mouse Positive               |      |
|  |                                      | Respiratory Sensitization Inhalation Positive        |      |
|  | f) carcinogenicity                   | Carcinogenicity Inhalation Rat = 6 mg/m <sup>3</sup> | 2 y  |
|  | g) reproductive toxicity             | NOAEL Inhalation Rat = 12 mg/m <sup>3</sup>          | 20 d |
| o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate | a) acute toxicity                    | LD50 Skin Rabbit > 9400 mg/kg                        |      |
|  |                                      | LD50 Oral Rat > 2000 mg/kg                           |      |
|  | e) germ cell mutagenicity            | NOAEL Inhalation Rat = 12 mg/m <sup>3</sup>          |      |
| 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate     | a) acute toxicity                    | LD50 Oral Rat > 2000 mg/kg                           |      |
|  |                                      | LC50 Inhalation Dust Rat = 0.527 mg/l 4h             |      |
|  |                                      | LD50 Skin Rabbit > 9400 mg/kg                        |      |
|  | e) germ cell mutagenicity            | NOAEL Inhalation Rat = 12 mg/m <sup>3</sup>          |      |

**If not differently specified, the information required in the regulation and listed below must be considered as N.A.**

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- Toxicological kinetics, metabolism and distribution information
- i) STOT-repeated exposure

**Section 12. Ecological information****Ecotoxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of components with eco-toxicological properties**

| <b>Component</b>   | <b>Ident. Numb.</b>  | <b>Ecotox Infos</b>   |
|--|--|---|
| diphenylmethanediisocyanate isomers and homologues                         | CAS: 9016-87-9 -<br>EINECS: 618-498-9<br>- INDEX: 615-005-00-9 | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d |
| 4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate     | CAS: 101-68-8 -<br>EINECS: 202-966-0<br>- INDEX: 615-005-00-9  | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d |
| o-(p-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate | CAS: 5873-54-1 -<br>EINECS: 227-534-9<br>- INDEX: 615-005-00-9 | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d |
| 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate     | CAS: 2536-05-2 -<br>EINECS: 219-799-4<br>- INDEX: 615-005-00-9 | a) Aquatic acute toxicity : LC50 Fish > 1000 mg/L 96<br><br>a) Aquatic acute toxicity : EC50 Daphnia > 1000 mg/L 24<br>b) Aquatic chronic toxicity : NOEC Daphnia > 10 mg/L - 21 d<br>a) Aquatic acute toxicity : EC50 Algae > 1640 mg/L 72<br>c) Bacteria toxicity : EC50 > 100 mg/L 3<br>e) Plant toxicity : NOEC > 1000 mg/kg - 14 d<br>d) Terrestrial toxicity : NOEC > 1000 mg/kg - 14 d |

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.



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## Section 13. Disposal considerations

### Disposal methods

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor.

Do not dispose of waste into sewers.

### Special precautions to be taken during disposal

Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

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## Section 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

### UN number

N.A.

### UN proper shipping name

N.A.

### Transport hazard class(es)

N.A.

### Packing group, if applicable

N.A.

### Environmental hazards

N.A.

No

### Special precautions for user

NZS-Subsidiary risks: N.A.

NZS-Special Dispositions: N.A.

Road and Rail ( ADR-RID ) :

N.A.

ADR-Hazard identification number: NA

Air ( IATA ) :

N.A.

Sea ( IMDG ) :

N.A.

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## Section 15. Regulatory information

### HSNO Approval

HSNO approval number and group standard title:

HSR002679 - Surface Coatings and Colourants (Toxic [6.7]) Group Standard 2006

### HSNO Controls

#### Approved Handler

No data available

### New Zealand Inventory of Chemicals (NZIoC)

All components are listed on the NZIoC Inventory.

### Regulatory references

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).

Hazardous Substances (Classification) Regulations 2001.

Labelling of Hazardous Substances: Hazard and Precautionary Information (January 2012 EPA0094).

Assigning a Product to a HSNO Approval (May 2013/Revised June 2014).

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## Section 16. Other information

Safety Data Sheet dated: 17/03/2021 - version 1

| Code | Description  |
|------|--|
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.   |
| H319 | Causes serious eye irritation.   |
| H332 | Harmful if inhaled.  |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled.   |
| H335 | May cause respiratory irritation.  |
| H351 | Suspected of causing cancer.   |
| H351 | Suspected of causing cancer if inhaled, in contact with skin and if swallowed.                                       |
| H373 | May cause damage to organs through prolonged or repeated exposure.   |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled.  |
| H373 | May cause damage to organs through prolonged or repeated exposure if inhaled, in contact with skin and if swallowed. |

### Description of the HSN0 Classification codes used in section 2 or 3:

| Code                              | Description  |
|-----------------------------------|--|
| 6.1D (inhalation)                 | Substances that are acutely toxic - Harmful (inhalation).                          |
| 6.1E (respiratory tract irritant) | Respiratory tract irritant.  |
| 6.3A                              | Substances that are irritating to the skin.  |
| 6.4A                              | Substances that are irritating to the eye.   |
| 6.5A                              | Substances that are respiratory sensitisers.                                       |
| 6.5B                              | Substances that are contact sensitisers.   |
| 6.7B                              | Substances that are suspected human carcinogens.                                   |
| 6.9B (Repeated exposure)          | Substances that are harmful to human target organs or systems (Repeated exposure). |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

HSNO: Hazardous Substances and New Organisms Act 1996.