



## SUPER RED

Revision: 2023-03-04

Version: 01.0

### SECTION 1: Identification of the substance/mixture and supplier

#### 1.1 Product identifier

**Product name:** SUPER RED

#### 1.2 Recommended use and restrictions on use

**Identified uses:**

General multipurpose cleaner

**Restrictions of use:**

Uses other than those identified are not recommended

#### 1.3 Details of the supplier

Diversey Australia Pty. Limited

Unit 8, 55 Newton Road, Wetherill Park, NSW, 2164

1-7 Bell Grove, Braeside, VIC 3195

Telephone: 1800 647 779 (toll free)

Email: aucustserv@diverse.com

Website: diversey.com.au

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)

Call 1800 033 111 (24hrs)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Serious eye damage, Category 1

#### 2.2 Label elements



**Signal word:** Danger

**Hazard statements:**

H318 - Causes serious eye damage.

**Prevention statement(s):**

P233 - Keep container tightly closed.

P280 - Wear eye or face protection.

**Response statement(s):**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTRE, doctor or physician.

**Disposal statement(s):**

P501 - Dispose of unused content as chemical waste.

#### 2.3 Other hazards

No other hazards known.

#### 2.4 Classification diluted product:

Recommended maximum concentration (% w/w): 25

Eye irritation, Category 2A

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## 2.5 Label elements diluted product



**Signal word:** Warning.

**Hazard statements:**

H319 - Causes serious eye irritation.

**Precautionary statements:**

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing and eye or face protection.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice or attention.

P235 - Keep cool.

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

P501 - Dispose of unused content as chemical waste.

### SECTION 3: Composition/information on ingredients

## 3.1 Substances / Mixtures

| Ingredient(s)                 | CAS#       | EC number | Weight percent |
|-------------------------------|------------|-----------|----------------|
| 2-butoxyethanol               | 111-76-2   | 203-905-0 | 3-10           |
| Alcohols, C12-14, ethoxylated | 68439-50-9 | 500-213-3 | 3-10           |

Non-hazardous ingredients are the remainder and add up to 100%.

Workplace exposure limit(s), if available, are listed in subsection 8.1.

### SECTION 4: First aid measures

## 4.1 Description of first aid measures

|  |   |
|--|---|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.   |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Eye contact:</b>                    | Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician. |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.   |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.  |
| <b>First aid facilities:</b>           | Eyewash facilities should be considered in a workplace where necessary.   |

## 4.2 Most important symptoms and effects, both acute and delayed

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | No known effects or symptoms in normal use. |
| <b>Skin contact:</b> | No known effects or symptoms in normal use. |
| <b>Eye contact:</b>  | Causes severe or permanent damage.          |
| <b>Ingestion:</b>    | No known effects or symptoms in normal use. |

## 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

**Poison Information Center:** Call 13 11 26 (Australia Wide).

### SECTION 5: Firefighting measures

## 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

## 5.2 Special hazards arising from the substance or mixture

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No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

### 5.4 Hazchem code

None allocated

## SECTION 6: Accidental release measures

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

Wear eye/face protection.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire and explosions:

No special precautions required.

#### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

#### Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Do not breathe spray. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging. Keep away from heat and direct sunlight.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Workplace exposure limits

Air limit values, if available:

| Ingredient(s)   | Long term value(s)<br>(TWA)      | Short term value(s)<br>(STEL)   | Peak value(s) |
|-----------------|----------------------------------|---------------------------------|---------------|
| 2-butoxyethanol | 20 ppm<br>96.9 mg/m <sup>3</sup> | 50 ppm<br>242 mg/m <sup>3</sup> |               |

Biological limit values, if available:

### 8.2 Exposure controls

*The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.*

*If available, please refer to the product information sheet for application and handling instructions.*

*Normal use conditions are assumed for this section.*

*Recommended safety measures for handling the undiluted product:*

*Covering activities such as filling and transfer of product to application equipment, flasks or buckets*

#### Appropriate engineering controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

#### Appropriate organisational controls:

Avoid direct contact and/or splashes where possible. Train personnel.

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**Personal protective equipment**

**Eye / face protection:** Safety glasses or goggles (AS/NZS 1337.1).  
**Hand protection:** No special requirements under normal use conditions.  
**Body protection:** No special requirements under normal use conditions.  
**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

*Recommended safety measures for handling the diluted product:*

**Recommended maximum concentration (% w/w):** 25

**Appropriate engineering controls:** Use only in well ventilated areas.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel. Users are advised to consider national Occupational Exposure Limits or other equivalent values, if available.

**Personal protective equipment**

**Eye / face protection:** Goggles (AS/NZS 1337.1).  
**Hand protection:** Chemical-resistant protective gloves (AS/NZS 2161.10). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.  
 Suggested gloves for prolonged contact: Material: butyl rubber Penetration time:  $\geq 480$  min Material thickness:  $\geq 0.7$  mm  
 Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time:  $\geq 30$  min Material thickness:  $\geq 0.4$  mm  
 In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.  
**Body protection:** Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605)  
**Respiratory protection:** Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided. Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

**Environmental exposure controls:** No special requirements under normal use conditions.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|  | <b>Method / remark</b>                         |
|--|--|
| <b>Physical state:</b> Liquid  |  |
| <b>Colour:</b> Clear , Red   |  |
| <b>Odour:</b> Solvent  |  |
| <b>Odour threshold:</b> Not applicable   |  |
| <b>pH:</b> $\approx 10$ (neat)   | ISO 4316                                       |
| <b>Melting point/freezing point (°C):</b> Not determined   | Not relevant to classification of this product |
| <b>Initial boiling point and boiling range (°C):</b> Not determined                                  |  |
| <b>Flammability (liquid):</b> Not flammable.   |  |
| <b>Flash point (°C):</b> $> 93$ °C   | closed cup                                     |
| <b>Sustained combustion:</b> Not applicable.<br>( UN Manual of Tests and Criteria, section 32, L.2 ) |  |
| <b>Evaporation rate:</b> Not determined  | Not relevant to classification of this product |
| <b>Flammability (solid, gas):</b> Not applicable to liquids  |  |
| <b>Lower and upper explosion limit/flammability limit (%):</b> Not determined                        |  |
| <b>Vapour pressure:</b> Not determined   |  |
| <b>Relative vapour density</b> No data available   | Not relevant to classification of this product |
| <b>Relative density:</b> $\approx 1.04$ (20 °C)  | OECD 109 (EU A.3)                              |
| <b>Solubility in / Miscibility with water:</b> Fully miscible  |  |
| <b>Partition coefficient: n-octanol/water</b> No information available.                              |  |
| Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3                 |  |
| <b>Autoignition temperature:</b> Not determined  |  |
| <b>Decomposition temperature:</b> Not applicable.  |  |
| <b>Viscosity:</b> Not determined   |  |
| <b>Explosive properties:</b> Not explosive.  |  |
| <b>Oxidising properties:</b> Not oxidising.  |  |

**9.2 Other information**

Surface tension (N/m): Not determined

Corrosion to metals: Not corrosive

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

ATE - Inhalatory, vapours (mg/l): &gt;20

Substance data, where relevant and available, are listed below:

**Acute toxicity**

Acute oral toxicity

| Ingredient(s)                 | Endpoint         | Value (mg/kg)     | Species | Method                        | Exposure time (h) |
|-------------------------------|------------------|-------------------|---------|-------------------------------|-------------------|
| 2-butoxyethanol               | LD <sub>50</sub> | 1746              | Rat     | ATE - Acute Toxicity Estimate |                   |
| Alcohols, C12-14, ethoxylated |                  | No data available |         |                               |                   |

Acute dermal toxicity

| Ingredient(s)                 | Endpoint         | Value (mg/kg)     | Species | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|---------|------------------|-------------------|
| 2-butoxyethanol               | LD <sub>50</sub> | 6411              |         | Method not given |                   |
| Alcohols, C12-14, ethoxylated |                  | No data available |         |                  |                   |

Acute inhalative toxicity

| Ingredient(s)                 | Endpoint         | Value (mg/l)                     | Species | Method           | Exposure time (h) |
|-------------------------------|------------------|----------------------------------|---------|------------------|-------------------|
| 2-butoxyethanol               | LC <sub>50</sub> | > 2 (mist) No mortality observed | Rat     | Method not given | 4                 |
| Alcohols, C12-14, ethoxylated |                  | No data available                |         |                  |                   |

**Irritation and corrosivity**

Skin irritation and corrosivity

| Ingredient(s)                 | Result            | Species | Method            | Exposure time      |
|-------------------------------|-------------------|---------|-------------------|--------------------|
| 2-butoxyethanol               | Irritant          | Rabbit  | OECD 404 (EU B.4) | 24; 48; 72 hour(s) |
| Alcohols, C12-14, ethoxylated | No data available |         |                   |                    |

## Eye irritation and corrosivity

| Ingredient(s)                 | Result            | Species | Method            | Exposure time      |
|-------------------------------|-------------------|---------|-------------------|--------------------|
| 2-butoxyethanol               | Irritant          | Rabbit  | OECD 405 (EU B.5) | 24; 48; 72 hour(s) |
| Alcohols, C12-14, ethoxylated | No data available |         |                   |                    |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                 | Result            | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol               | No data available |         |        |               |
| Alcohols, C12-14, ethoxylated | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                 | Result            | Species    | Method                   | Exposure time (h) |
|-------------------------------|-------------------|------------|--------------------------|-------------------|
| 2-butoxyethanol               | Not sensitising   | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |
| Alcohols, C12-14, ethoxylated | No data available |            |                          |                   |

## Sensitisation by inhalation

| Ingredient(s)                 | Result            | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol               | No data available |         |        |               |
| Alcohols, C12-14, ethoxylated | No data available |         |        |               |

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

| Ingredient(s)                 | Result (in-vitro)                                   | Method (in-vitro)                                      | Result (in-vivo)                                    | Method (in-vivo)   |
|-------------------------------|---|--|---|--------------------|
| 2-butoxyethanol               | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 476 (Chinese Hamster Ovary) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |
| Alcohols, C12-14, ethoxylated | No data available                                   |  | No data available                                   |                    |

## Carcinogenicity

| Ingredient(s)                 | Effect   |
|-------------------------------|--|
| 2-butoxyethanol               | No evidence for carcinogenicity, negative test results |
| Alcohols, C12-14, ethoxylated | No data available                                      |

## Toxicity for reproduction

| Ingredient(s)                 | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|-------------------------------|----------|-----------------|--------------------|---------|--------|---------------|------------------------------------|
| 2-butoxyethanol               |          |                 | No data available  |         |        |               |                                    |
| Alcohols, C12-14, ethoxylated |          |                 | No data available  |         |        |               |                                    |

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

| Ingredient(s)                 | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| 2-butoxyethanol               |          | No data available  |         |        |                      |                                      |
| Alcohols, C12-14, ethoxylated |          | No data available  |         |        |                      |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)                 | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| 2-butoxyethanol               |          | No data available  |         |        |                      |                                      |
| Alcohols, C12-14, ethoxylated |          | No data available  |         |        |                      |                                      |

## Sub-chronic inhalation toxicity

| Ingredient(s)                 | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| 2-butoxyethanol               |          | No data available  |         |        |                      |                                      |
| Alcohols, C12-14, ethoxylated |          | No data available  |         |        |                      |                                      |

## Chronic toxicity

| Ingredient(s)                 | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|-------------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| 2-butoxyethanol               |                |          | No data available  |         |        |               |                                      |        |
| Alcohols, C12-14, ethoxylated |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)                 | Affected organ(s) |
|-------------------------------|-------------------|
| 2-butoxyethanol               | No data available |
| Alcohols, C12-14, ethoxylated | No data available |

## STOT-repeated exposure

| Ingredient(s)                 | Affected organ(s) |
|-------------------------------|-------------------|
| 2-butoxyethanol               | No data available |
| Alcohols, C12-14, ethoxylated | No data available |

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

## Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

#### Aquatic short-term toxicity

Aquatic short-term toxicity - fish

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species                    | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| 2-butoxyethanol               | LC <sub>50</sub> | > 100             | <i>Oncorhynchus mykiss</i> | OECD 203, static | 96                |
| Alcohols, C12-14, ethoxylated |                  | No data available |                            |                  |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|-----------------------------|------------------|-------------------|
| 2-butoxyethanol               | EC <sub>50</sub> | > 100             | <i>Daphnia magna</i> Straus | OECD 202, static | 48                |
| Alcohols, C12-14, ethoxylated |                  | No data available |                             |                  |                   |

Aquatic short-term toxicity - algae

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species                                | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|--|------------------|-------------------|
| 2-butoxyethanol               | EC <sub>50</sub> | > 100             | <i>Pseudokirchneriella subcapitata</i> | OECD 201, static | 72                |
| Alcohols, C12-14, ethoxylated |                  | No data available |  |                  |                   |

Aquatic short-term toxicity - marine species

| Ingredient(s)                 | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|-------------------------------|----------|-------------------|---------|--------|----------------------|
| 2-butoxyethanol               |          | No data available |         |        |                      |
| Alcohols, C12-14, ethoxylated |          | No data available |         |        |                      |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)   | Endpoint        | Value (mg/l) | Inoculum                  | Method           | Exposure time |
|-----------------|-----------------|--------------|---------------------------|------------------|---------------|
| 2-butoxyethanol | EC <sub>0</sub> | 700          | <i>Pseudomonas putida</i> | Method not given | 16 hour(s)    |

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|                               |  |                   |  |  |
|-------------------------------|--|-------------------|--|--|
| Alcohols, C12-14, ethoxylated |  | No data available |  |  |
|-------------------------------|--|-------------------|--|--|

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

| Ingredient(s)                 | Endpoint | Value (mg/l)      | Species            | Method   | Exposure time | Effects observed |
|-------------------------------|----------|-------------------|--------------------|----------|---------------|------------------|
| 2-butoxyethanol               | NOEC     | > 100             | <i>Danio rerio</i> | OECD 204 | 21 day(s)     |                  |
| Alcohols, C12-14, ethoxylated |          | No data available |                    |          |               |                  |

Aquatic long-term toxicity - crustacea

| Ingredient(s)                 | Endpoint | Value (mg/l)      | Species              | Method   | Exposure time | Effects observed |
|-------------------------------|----------|-------------------|----------------------|----------|---------------|------------------|
| 2-butoxyethanol               | NOEC     | 100               | <i>Daphnia magna</i> | OECD 211 | 21 day(s)     |                  |
| Alcohols, C12-14, ethoxylated |          | No data available |                      |          |               |                  |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

**Terrestrial toxicity**

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                 | Inoculum | Analytical method          | DT <sub>50</sub>    | Method    | Evaluation            |
|-------------------------------|----------|----------------------------|---------------------|-----------|-----------------------|
| 2-butoxyethanol               |          | CO <sub>2</sub> production | 90.4 % in 28 day(s) | OECD 301B | Readily biodegradable |
| Alcohols, C12-14, ethoxylated |          |                            |                     | OECD 301F | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)                 | Value             | Method   | Evaluation                        | Remark |
|-------------------------------|-------------------|----------|-----------------------------------|--------|
| 2-butoxyethanol               | 0.81              | OECD 107 | Low potential for bioaccumulation |        |
| Alcohols, C12-14, ethoxylated | No data available |          |                                   |        |

Bioconcentration factor (BCF)

| Ingredient(s)                 | Value             | Species | Method | Evaluation | Remark |
|-------------------------------|-------------------|---------|--------|------------|--------|
| 2-butoxyethanol               | No data available |         |        |            |        |
| Alcohols, C12-14, ethoxylated | No data available |         |        |            |        |

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s) | Adsorption coefficient Log K <sub>oc</sub> | Desorption coefficient Log K <sub>oc</sub> (des) | Method | Soil/sediment type | Evaluation |
|---------------|--|--|--------|--------------------|------------|
|               |  |  |        |                    |            |



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|                               |                   |  |  |  |  |
|-------------------------------|-------------------|--|--|--|--|
| 2-butoxyethanol               | No data available |  |  |  | Potential for mobility in soil, soluble in water |
| Alcohols, C12-14, ethoxylated | No data available |  |  |  |  |

**12.5 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADG, IMO/IMDG, ICAO/IATA**

**14.1 UN number or ID number:** Non-dangerous goods

**14.2 UN proper shipping name:** Non-dangerous goods

**14.3 Transport hazard class(es):** Non-dangerous goods

**14.4 Packing group:** Non-dangerous goods

**14.5 Environmental hazards:** Non-dangerous goods

**14.6 Special precautions for user:** Non-dangerous goods

**14.7 Maritime transport in bulk according to IMO instruments:** Non-dangerous goods

**Other relevant information:**

**Hazchem code:** None allocated

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

**Poison schedule**

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classification**

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

**Inventory listing(s)**

Australian Inventory of Industrial Chemicals: All components are listed on the inventory, or are exempt.

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MS31001242

**Version:** 01.0

**Revision:** 2023-03-04

**Additional information:**

**Respirators:** In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**Work practices - solvents:** Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls

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should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

**Exposure standards - Time Weighted Average (TWA) or Workplace Exposure Standard (WES) (NZ):** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**Personal protective equipment guidelines:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Health effects from exposure:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Safety Data Sheet which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations and acronyms:**

- ATE - Acute Toxicity Estimate
- AUH - Non GHS hazard statement
- DNEL - Derived No Effect Limit
- EC No. - European Community Number
- EC50 - effective concentration, 50%
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PNEC - Predicted No Effect Concentration
- STOT-RE - Specific target organ toxicity (repeated exposure)
- STOT-SE - Specific target organ toxicity (single exposure)

**End of Safety Data Sheet**