

Safety Data Sheet

Clearclean Plus

Revision: 2022-12-16 **Version:** 01.1

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name: Clearclean Plus

1.2 Recommended use and restrictions on use

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@diversey.com

1.4 Emergency telephone number

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

Call 1800 033 111 (24hrs)

Website: diversey.com.au

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin irritation, Category 2 Eye irritation, Category 2A

2.2 Label elements



Signal word: Warning

Hazard statements:

H315 + H319 - Causes skin and serious eye irritation.

Prevention statement(s):

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

P280 - Wear protective gloves.

Response statement(s):

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 - If skin irritation occurs: Get medical advice or attention.

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.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P362 - Take off contaminated clothing.

2.3 Other hazards

No other hazards known.

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 |
| sodium alkylbenzenesulphonate | 90194-45-9 | 290-656-6 | 1-3 |
| sodium hydroxide | 1310-73-2 | 215-185-5 | 1-3 |

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

[4] Polymer.

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

For the full text of the H and AUH phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Get medical attention or advice if you feel unwell.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. Take off immediately all contaminated

clothing and wash it before reuse. If skin irritation occurs: Get medical advice or attention.

Eye contact: Immediately rinse eyes cautiously with lukewarm water for several minutes. Remove contact lenses,

if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

If irritation occurs and persists, get medical attention.

Ingestion: Rinse mouth. Immediately drink 1 glass of water. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2. First aid facilities: Eyewash facilities should be considered in a workplace where necessary.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: Causes irritation.

Eye contact: Causes severe irritation.

Ingestion: 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

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 suitable gloves.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

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 adviced by Diversey. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required. Avoid contact with skin and eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original packaging. Store in a closed container, 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) (TWA) | Short term value(s) (STEL) | Peak value(s) |
|------------------|----------------------------------|---------------------------------|---------------------|
| 2-butoxyethanol | 20 ppm 96.9 mg/m ³ | 50 ppm 242 mg/m ³ | |
| sodium hydroxide | · · | | 2 mg/m ³ |

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 <u>undiluted</u> product:

No special requirements under normal use conditions. Appropriate engineering controls:

Avoid direct contact and/or splashes where possible. Train personnel. Appropriate organisational controls:

Personal protective equipment

Safety glasses are not normally required. However, their use is recommended in those cases where Eye / face protection:

splashes may occur when handling the product (EN 166).

Chemical-resistant protective gloves (AS/NZS 2161.10). Verify instructions regarding permeability Hand protection:

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: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min

Material thickness: ≥ 0.4 mm In consultation with the supplier of protective gloves a different type providing similar protection may

he chosen

Body protection: No special requirements under normal use conditions. No special requirements under normal use conditions. Respiratory protection:

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

Method / remark

Physical state: Liquid Colour: Clear , Red Odour: Product specific Odour threshold: Not applicable

pH: ≈ 13 (neat)

Melting point/freezing point (°C): Not determined

Initial boiling point and boiling range (°C): Not determined

Not relevant to classification of this product

Not relevant to classification of this product

Clearclean Plus

Flammability (liquid): Not determined. Flash point (°C): Not applicable. Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Lower and upper explosion limit/flammability limit (%): Not determined

Vapour pressure: Not determined Relative vapour density Not determined Relative density: ≈ 1.04 (20 °C)

Solubility in / Miscibility with water: Fully miscible

Partition coefficient: n-octanol/water No information available.

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature: Not determined Decomposition temperature: Not applicable.

Viscosity: Not determined

Explosive properties: Not explosive. **Oxidising properties:** 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

Reacts with acids.

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): >2000 ATE - Dermal (mg/kg): >2000 ATE - Inhalatory, vapours (mg/l): >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 50 | 1746 | Rat | ATE - Acute Toxicity Estimate | |
| sodium alkylbenzenesulphonate | LD 50 | > 1470 | Rat | OECD 401 (EU B.1) | |

| sodium hydroxide | No data available | | |
|------------------|----------------------|--|--|
| | available | | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|-------------------------------|----------|----------------------|---------|------------------|-------------------|
| 2-butoxyethanol | LD 50 | 6411 | | Method not given | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| sodium hydroxide | LD 50 | 1350 | Rabbit | Method not given | |

Acute inhalative toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|----------|--|---------|------------------|-------------------|
| 2-butoxyethanol | LC 50 | > 2 (mist) No mortality observed | Rat | Method not given | 4 |
| sodium alkylbenzenesulphonate | | No data available | | | |
| sodium hydroxide | | 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) |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | Corrosive | Rabbit | Method not given | |

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) |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | Corrosive | Rabbit | Method not given | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | No data available | | | |

Sensitisation
Sensitisation by skin contact

| Sensitisation by skin contact | | | | |
|-------------------------------|-------------------|------------|----------------------|-------------------|
| Ingredient(s) | Result | Species | Method | Exposure time (h) |
| 2-butoxyethanol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / | |
| , , | | | GPMT ´ | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | Not sensitising | | Human repeated patch | |
| · | Ī | | test | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | No data available | | | |

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

| Ingredient(s) | Result (in-vitro) | Method | Result (in-vivo) | Method |
|-------------------------------|--|-----------------|--|---------------|
| 3 (., | , | (in-vitro) | , | (in-vivo) |
| 2-butoxyethanol | No evidence for mutagenicity, negative | | No evidence for mutagenicity, negative | OECD 474 (EU |
| | test results | B.12/13) OECD | test results | B.12) |
| | | 476 (Chinese | | |
| | | Hamster | | |
| | | Ovary) | | |
| sodium alkylbenzenesulphonate | No data available | | No data available | |
| sodium hydroxide | No evidence for mutagenicity, negative | DNA repair test | No evidence for mutagenicity, negative | OECD 474 (EU |
| | test results | on rat | test results | B.12) OECD |
| | | hepatocytes | | 475 (EU B.11) |

| OECD 473 | |
|----------|--|
| | |

Carcinogenicity

| Ingredient(s) | Effect |
|-------------------------------|--|
| 2-butoxyethanol | No evidence for carcinogenicity, negative test results |
| sodium alkylbenzenesulphonate | No data available |
| sodium hydroxide | No evidence for carcinogenicity, weight-of-evidence |

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 | | | | |
| sodium alkylbenzenesulphonat e | | | No data available | | | | |
| sodium hydroxide | | | No data available | | | | No evidence for developmental toxicity No evidence for reproductive toxicity |

Repeated dose toxicity
Sub-acute or sub-chronic oral toxicity

| Ingredient(s) | Endpoint | Value | Species | Method | | Specific effects and organs affected |
|-------------------------------|----------|--------------|---------|--------|-------------|--------------------------------------|
| | | (mg/kg bw/d) | | | time (days) | апестец |
| 2-butoxyethanol | | No data | | | | |
| | | available | | | | |
| sodium alkylbenzenesulphonate | | No data | | | | |
| | | available | | | | |
| sodium hydroxide | | No data | | | | |
| | 1 | available | | | | |

Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value | Species | Method | | Specific effects and organs |
|-------------------------------|----------|--------------|---------|--------|-------------|-----------------------------|
| | | (mg/kg bw/d) | | | time (days) | affected |
| 2-butoxyethanol | | No data | | | | |
| | | available | | | | |
| sodium alkylbenzenesulphonate | | No data | | | | |
| | | available | | | | |
| sodium hydroxide | | No data | | | | |
| · | | available | | | | |

Sub-chronic inhalation toxicity

| Ingredient(s) | Endpoint | Value | Species | Method | | Specific effects and organs |
|-------------------------------|----------|--------------|---------|--------|-------------|-----------------------------|
| | | (mg/kg bw/d) | | | time (days) | affected |
| 2-butoxyethanol | | No data | | | | |
| | | available | | | | |
| sodium alkylbenzenesulphonate | | No data | | | | |
| | | available | | | | |
| sodium hydroxide | | 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 | | | | <u> </u> | |
| sodium alkylbenzenesulphonat e | | | No data available | | | | | |
| sodium hydroxide | | | No data available | | | | | |

STOT-single exposure

| er er enigle expectit | |
|-------------------------------|-------------------|
| Ingredient(s) | Affected organ(s) |
| 2-butoxyethanol | No data available |
| sodium alkylbenzenesulphonate | No data available |
| sodium hydroxide | No data available |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|-------------------------------|-------------------|
| 2-butoxyethanol | No data available |
| sodium alkylbenzenesulphonate | No data available |
| sodium hydroxide | No data available |

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

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 50 | > 100 | Oncorhynchus mvkiss | OECD 203, static | 96 |
| | | | HIYKISS | | |
| sodium alkylbenzenesulphonate | LC 50 | No data | | | |
| | | available | | | |
| sodium hydroxide | LC 50 | 35 | Various | Method not given | 96 |
| | | | species | | |

Aquatic short-term toxicity - crustacea

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|----------|-----------------|-------------------------|------------------|-------------------|
| 2-butoxyethanol | EC 50 | > 100 | Daphnia magna Straus | OECD 202, static | 48 |
| sodium alkylbenzenesulphonate | EC 50 | 1.62 | Daphnia magna Straus | | 48 |
| sodium hydroxide | EC 50 | 40.4 | Ceriodaphnia sp. | Method not given | 48 |

Aquatic short-term toxicity - algae

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (h) |
|-------------------------------|----------|-----------------|--|------------------|-------------------|
| 2-butoxyethanol | EC 50 | > 100 | Pseudokirchner iella subcapitata | OECD 201, static | 72 |
| sodium alkylbenzenesulphonate | EC 50 | 29 | Selenastrum capricornutum | | 96 |
| sodium hydroxide | EC 50 | 22 | Photobacteriu m phosphoreum | Method not given | 0.25 |

Aquatic short-term toxicity - marine species

| requalite short term toxicity manne species | | | | | |
|---|----------|-----------|---------|--------|-------------|
| Ingredient(s) | Endpoint | Value | Species | Method | Exposure |
| | | (mg/l) | | | time (days) |
| 2-butoxyethanol | | No data | | | |
| · | | available | | | |
| sodium alkylbenzenesulphonate | | No data | | | |
| | | available | | | |
| sodium hydroxide | | No data | | | |
| · · | | available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|-------------------------------|-----------------|----------------------|--------------------|------------------|---------------|
| 2-butoxyethanol | EC ₀ | 700 | Pseudomonas putida | Method not given | 16 hour(s) |
| sodium alkylbenzenesulphonate | | No data available | · | | |
| sodium hydroxide | | No data available | | | |

Aquatic long-term toxicity - fish

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-----------------|----------|-----------------|-------------|----------|---------------|------------------|
| 2-butoxyethanol | NOEC | > 100 | Danio rerio | OECD 204 | 21 day(s) | |

| sodium alkylbenzenesulphonate | No data available | | |
|---------------------------------------|----------------------|--|--|
| sodium hydroxide | No data available | | |
| quatic long-term toxicity - crustacea | | | |

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-------------------------------|----------|-----------------|---------|----------|---------------|------------------|
| 2-butoxyethanol | NOEC | 100 | Daphnia | OECD 211 | 21 day(s) | |
| | | | magna | | | |
| sodium alkylbenzenesulphonate | | No data | | | | |
| | | available | | | | |
| sodium hydroxide | | No data | | | | |
| | | available | | | | |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available: Value (mg/kg dw sediment) Exposure time (days) Method Effects observed Ingredient(s) Endpoint **Species**

No data available sodium hydroxide

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

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|------------------|----------|-----------------------------|---------|--------|----------------------|------------------|
| sodium hydroxide | | No data available | | | | |

Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|------------------|----------|-----------------------------|---------|--------|----------------------|------------------|
| sodium hydroxide | | No data available | | | | |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|------------------|----------|----------------------|---------|--------|----------------------|------------------|
| sodium hydroxide | | No data available | | | | |

Terrestrial toxicity - beneficial insects, if available:

| Terrestrial toxicity beneficial insects, il available. | | | | | | |
|--|----------|-----------------------------|---------|--------|----------------------|------------------|
| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
| sodium hydroxide | | No data available | | | | |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|------------------|----------|-----------------------------|---------|--------|----------------------|------------------|
| sodium hydroxide | | No data | | | | |
| | | available | | | | |

12.2 Persistence and degradability

Abiotic degradation

| Abiolic degradation - photodegradation in all, il a | | | | |
|---|----------------|------------------|-------------------------|--------|
| Ingredient(s) | Half-life time | Method | Evaluation | Remark |
| sodium hydroxide | 13 second(s) | Method not given | Rapidly photodegradable | |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|------------------|-------------------------------|--------|------------|--------|
| sodium hydroxide | No data available | | | |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Туре | Half-life time | Method | Evaluation | Remark |
|------------------|------|-------------------|--------|------------|--------|
| sodium hydroxide | | No data available | | | |

Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical method | DT 50 | Method | Evaluation |
|-------------------------------|----------|----------------------------|------------------------|-----------|--------------------------------------|
| 2-butoxyethanol | | CO ₂ production | 90.4 % in 28 day(s) | OECD 301B | Readily biodegradable |
| sodium alkylbenzenesulphonate | | | | OECD 301B | Readily biodegradable |
| sodium hydroxide | | | | | Not applicable (inorganic substance) |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT 50 | Method | Evaluation |
|------------------|---------------|-------------------|-------|--------|-------------------|
| sodium hydroxide | | | | | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT 50 | Method | Evaluation |
|------------------|---------------|-------------------|-------|--------|-------------------|
| sodium hydroxide | | | | | No data available |

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

| Tartition coemolent in octanol/water (log | | | | |
|---|-------------------|----------|-----------------------------------|--------|
| Ingredient(s) | Value | Method | Evaluation | Remark |
| 2-butoxyethanol | 0.81 | OECD 107 | Low potential for bioaccumulation | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | No data available | | Not relevant, does not | |
| | | | bioaccumulate | |

Bioconcentration factor (BCF)

| sioconcentration factor (DCI) | | | | | | | |
|--------------------------------------|-------------------|---------|--------|------------|--------|--|--|
| Ingredient(s) | Value | Species | Method | Evaluation | Remark | | |
| 2-butoxyethanol | No data available | | | | | | |
| sodium alkylbenzenesulphonat e | No data available | | | | | | |
| sodium hydroxide | No data available | _ | _ | | | | |

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s) | Adsorption coefficient Log Koc | Desorption coefficient Log Koc(des) | Method | Soil/sediment type | Evaluation |
|-------------------------------|--------------------------------------|---|--------|-----------------------|--|
| 2-butoxyethanol | No data available | | | | Potential for mobility in soil, soluble in water |
| sodium alkylbenzenesulphonate | No data available | | | | |
| sodium hydroxide | No data available | | | | Mobile in soil |

12.5 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods Waste from residues / unused

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

products:

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: 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 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

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 Classified as a Schedule 5 (S5) Poison 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

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: MS31000084 Version: 01.1 Revision: 2022-12-16

Full text of the H phrases mentioned in section 3:

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 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
- LC50 Lethal Concentration, 50% / Median Lethal Concentration
- LD50 Lethal Dose, 50% / Median Lethal dose
 STOT-RE Specific target organ toxicity (repeated exposure)
 STOT-SE Specific target organ toxicity (single exposure)
 EC No. European Community Number

End of Safety Data Sheet