# Safety Data Sheet

## TASKI CLEARCLEAN PLUS

**Revision:** 2023-12-13 **Version:** 01.1

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

**1.1 Product identifier**
**Product name:** TASKI CLEARCLEAN PLUS

**1.2 Recommended use and restrictions on use**
**Identified uses:**
Degreaser
**Restrictions of use:**
Uses other than those identified are not recommended

**1.3 Details of the supplier**
DIVERSEY NEW ZEALAND LTD.
24 Bancroft Crescent, Glendene, Auckland, 0602, New Zealand
Telephone: 0800 803 615 (toll free)

Website: www.diversey.com

**1.4 Emergency telephone number**
Seek medical advice (show the label or safety data sheet where possible)
Call 0800 243 622 (24 hrs)

## SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture**

Skin irritation, Category 2
Eye irritation, Category 2

**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):**
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.

**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): 16.7

Skin irritation, Category 3

**2.5 Label elements diluted product**

**Signal word:** Warning.

**Hazard statements:**
H316 - Causes mild skin irritation.

## 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 |
| pentasodium triphosphate | 7758-29-4 | 231-838-7 | 1-3 |
| sodium alkylbenzenesulphonate | 90194-45-9 | 290-656-6 | 1-3 |
| sodium hydroxide | 1310-73-2 | 215-185-5 | 1-3 |
| ethanol | 64-17-5 | 200-578-6 | 0.1-1 |
| Propan-2-ol | 67-63-0 | 200-661-7 | 0.01-0.1 |
| butanone | 78-93-3 | 201-159-0 | 0.01-0.1 |
| 4-methylpentan-2-one | 108-10-1 | 203-550-1 | < 0.01 |

[4] Polymer.
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**

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

**Skin contact:** Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

**Eye contact:** 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. 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. Never give anything by mouth to an unconscious person. 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 0800 764 766 (0800 POISON)

## 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).

**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 face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with eyes. 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.
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) | Short term value(s) | Ceiling value(s) |
|---|---|---|---|
| 2-butoxyethanol | 25 ppm<br>121 mg/m³ | | |
| sodium hydroxide | | | 2 mg/m³ |

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.

**Personal protective equipment**

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321 / EN 166).

**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: ≥ 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 be chosen.

**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):** 16.7

**Appropriate engineering controls:** No special requirements under normal use conditions.
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment**
**Eye / face protection:** No special requirements under normal use conditions.
**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.

## 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) | ISO 4316 |
| **Melting point/freezing point (°C):** Not determined | Not relevant to classification of this product |
| **Initial boiling point and boiling range (°C):** Not determined | |
| **Flammability (liquid):** Not flammable. | |
| **Flash point (°C):** > 93.4 °C | closed cup |
| **Sustained combustion:** Not applicable. | |
| *( UN Manual of Tests and Criteria, section 32, L.2 )* | |
| **Evaporation rate:** Not determined | Not relevant to classification of this product |
| **Flammability (solid, gas):** Not applicable to liquids | |
| **Lower and upper explosion limit/flammability limit (%):** Not determined | |
| **Vapour pressure:** Not determined | |
| **Relative density:** ≈ 1.04 (20 °C) | OECD 109 (EU A.3) |
| **Relative vapour density:** Not determined. | Not relevant to classification of this product |
| **Particle characteristics:** No data available. | Not applicable to liquids. |
| **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): >5000
ATE - Dermal (mg/kg): >5000
ATE - Inhalatory, vapours (mg/l): 190

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 | |
| pentasodium triphosphate | $LD_{0}$ | > 2000 | Rat | OECD 401 (EU B.1) | |
| sodium alkylbenzenesulphonate | $LD_{50}$ | > 1470 | Rat | OECD 401 (EU B.1) | |
| sodium hydroxide | | No data available | | | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|---|---|---|---|---|---|
| 2-butoxyethanol | $LD_{50}$ | 6411 | | Method not given | |
| pentasodium triphosphate | $LD_{50}$ | > 4640 | Rabbit | 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 |
| pentasodium triphosphate | $LC_{50}$ | 0.39 (dust) | Rat | EPA OPP 81-3 | 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) |
| pentasodium triphosphate | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| 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) |
| pentasodium triphosphate | Not corrosive or irritant | Rabbit | OECD 405 (EU B.5) | |
| 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 | | | |
| pentasodium triphosphate | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | 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 | |
| pentasodium triphosphate | Not sensitising | Mouse | OECD 429 (EU B.42) | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | Not sensitising | | Human repeated patch test | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|---|---|---|---|---|
| 2-butoxyethanol | No data available | | | |
| pentasodium triphosphate | 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 (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) |
| pentasodium triphosphate | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) | No evidence of genotoxicity, negative test results | OECD 475 (EU B.11) |
| sodium alkylbenzenesulphonate | No data available | | No data available | |
| sodium hydroxide | No evidence for mutagenicity, negative test results | DNA repair test on rat hepatocytes OECD 473 | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) OECD 475 (EU B.11) |

Carcinogenicity

| Ingredient(s) | Effect |
|---|---|
| 2-butoxyethanol | No evidence for carcinogenicity, negative test results |
| pentasodium triphosphate | 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 | | | | |
| pentasodium triphosphate | NOAEL | Developmental toxicity | 141 | Rat | Not known | | No evidence for reproductive toxicity |
| sodium alkylbenzenesulphonate | | | 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 | Exposure | Specific effects and organs |
|---|---|---|---|---|---|---|

| | | (mg/kg bw/d) | | | time (days) | affected |
|---|---|---|---|---|---|---|
| 2-butoxyethanol | | No data available | | | | |
| pentasodium triphosphate | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| sodium hydroxide | | 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 | | | | |
| pentasodium triphosphate | | No data available | | | | |
| sodium alkylbenzenesulphonate | | No data available | | | | |
| sodium hydroxide | | 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 | | | | |
| pentasodium triphosphate | | 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 | | | | | |
| pentasodium triphosphate | Oral | NOAEL | 225 | Rat | Equivalent of OECD 412 (EU B.8) | 24 month(s) | | |
| sodium alkylbenzenesulphonate | | | No data available | | | | | |
| sodium hydroxide | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|---|---|
| 2-butoxyethanol | No data available |
| pentasodium triphosphate | Not applicable |
| sodium alkylbenzenesulphonate | No data available |
| sodium hydroxide | No data available |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|---|---|
| 2-butoxyethanol | No data available |
| pentasodium triphosphate | Not applicable |
| 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 mykiss* | OECD 203, static | 96 |
| pentasodium triphosphate | $LC_{50}$ | 1850 | *Brachydanio rerio* | Method not given | 24 |
| sodium alkylbenzenesulphonate | $LC_{50}$ | No data available | | | |
| sodium hydroxide | $LC_{50}$ | 35 | *Various species* | Method not given | 96 |

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 |
| pentasodium triphosphate | $EC_{50}$ | > 100 | *Daphnia magna Straus* | 40 CFR 797.1930 | 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 | *Pseudokirchneriella subcapitata* | OECD 201, static | 72 |
| pentasodium triphosphate | $EC_{50}$ | 160 | *Desmodesmus subspicatus* | ISO/TC147/SC5/WG5 N84 | 96 |
| sodium alkylbenzenesulphonate | $EC_{50}$ | 29 | *Selenastrum capricornutum* | | 96 |
| sodium hydroxide | $EC_{50}$ | 22 | *Photobacterium phosphoreum* | Method not given | 0.25 |

Aquatic short-term toxicity - marine species

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
|---|---|---|---|---|---|
| 2-butoxyethanol | | No data available | | | |
| pentasodium triphosphate | | 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) |
| pentasodium triphosphate | | No data available | | | |
| sodium alkylbenzenesulphonate | | No data available | | | |
| sodium hydroxide | | 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 | *Danio rerio* | OECD 204 | 21 day(s) | |
| pentasodium triphosphate | LOEC | 5 | *Not specified* | OECD 212 | 96 hour(s) | |
| sodium alkylbenzenesulphonate | | No data available | | | | |

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

Aquatic long-term toxicity - crustacea

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

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

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

**Terrestrial toxicity**

Terrestrial 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:

| 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**

Abiotic degradation - photodegradation in air, if available:

| 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) | Type | 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 |
| pentasodium triphosphate | | | | | Not applicable (inorganic substance) |
| 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)

| Ingredient(s) | Value | Method | Evaluation | Remark |
|---|---|---|---|---|
| 2-butoxyethanol | 0.81 | OECD 107 | Low potential for bioaccumulation | |
| pentasodium triphosphate | No data available | | | |
| sodium alkylbenzenesulphonate | No data available | | | |
| sodium hydroxide | No data available | | Not relevant, does not bioaccumulate | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|---|---|---|---|---|---|
| 2-butoxyethanol | No data available | | | | |
| pentasodium triphosphate | No data available | | | No bioaccumulation expected | |
| sodium alkylbenzenesulphonate | 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 |
| pentasodium triphosphate | No data available | | | | |
| 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 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**

| | |
|---|---|
| **HSNO Approval Number** | HSR002530. |
| **Group standard** | Cleaning Products (Subsidiary Hazard) Group Standard 2020 |
| **Inventory Listing(s)** | New Zealand: NZIoC (New Zealand Inventory of Chemicals)<br>All components are listed on the NZIoC inventory, or are exempt |
| **HSNO Classification** | 6.3A - Irritating to the skin<br>6.4A - Irritating to the eye |

## 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:** MS3200541 **Version:** 01.1 **Revision:** 2023-12-13

**Reason for revision:**
This data sheet contains changes from the previous version in section(s):, 8

**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).

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

**End of Safety Data Sheet**