

Safety Data Sheet

TASKI GLANCE (5L)

Revision: 2023-11-30

Version: 01.1

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier Product name: TASKI GLANCE

Product name: TASKI GLANCE (5L)

1.2 Recommended use and restrictions on use Identified uses: Glass and multi-purpose cleaner 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

Acute aquatic toxicity, Category 3

2.2 Label elements Hazard statements: H402 - Harmful to aquatic life.

Prevention statement(s): P273 - Avoid release to the environment.

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): 2.44

Not classified as hazardous

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 |
| ethanol | 64-17-5 | 200-578-6 | 1-3 |
| ammonia | 1336-21-6 | 215-647-6 | 0.1-1 |
| Propan-2-ol | 67-63-0 | 200-661-7 | 0.1-1 |
| butanone | 78-93-3 | 201-159-0 | 0.01-0.1 |
| 4-methylpentan-2-one | 108-10-1 | 203-550-1 | 0.01-0.1 |

[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 measure | es |
|--------------------------------------|---|
| 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: | Rinse cautiously with water for several minutes. 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. |
| 4.2 Most important symptoms and | effects, both acute and delayed |
| Inhalation. | No known effects or symptoms in normal use |

| Inhalation: | No known effects or symptoms in normal use. |
|---------------|---|
| Skin contact: | No known effects or symptoms in normal use. |
| Eye contact: | No known effects or symptoms in normal use. |
| 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

No special measures required.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Do not allow to enter the ground/soil. Dilute with plenty of water. Inform responsible authorities in case undiluted product reaches drainage system, surface or ground water or the ground/soil.

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 hands before breaks and at the end of workday. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities

TASKI GLANCE (5L)

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. Store in a well-ventilated place. 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 | | |
| | 121 mg/m ³ | | |
| ethanol | 1000 ppm | | |
| | 1880 mg/m ³ | | |
| ammonia | 25 ppm | 35 ppm | |
| | 17 mg/m ³ | 24 mg/m ³ | |
| Propan-2-ol | 400 ppm | 500 ppm | |
| | 983 mg/m ³ | 1230 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: Covering activities such as filling and transfer of product to application equipment, flasks or buckets

| Appropriate engineering controls: Appropriate organisational controls: | No special requirements under normal use conditions. No special requirements under normal use conditions. |
|--|--|
| Personal protective equipment Eye / face protection: Hand protection: Body protection: Respiratory 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). No special requirements under normal use conditions. |
| Environmental exposure controls: | No special requirements under normal use conditions. |
| Recommended safety measures for hand | lling the <u>diluted</u> product: |
| Recommended maximum concentration | on (% w/w): 2.44 |
| Appropriate engineering controls: Appropriate organisational controls: | No special requirements under normal use conditions. No special requirements under normal use conditions. |
| Personal protective equipment Eye / face protection: Hand protection: Body protection: Respiratory protection: | No special requirements under normal use conditions. No special requirements under normal use conditions. No special requirements under normal use conditions 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 , Light , Blue | |
| Odour: Product specific | |
| Odour threshold: Not applicable | |
| pH: ≈ 11.5 (neat) | ISO 4316 |
| Dilution pH: \approx 11 (1%) | ISO 4316 |

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

Flammability (liquid): Combustible. Flash point (°C): > 93.3 °C Sustained combustion: Not applicable. (UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined Flammability (solid, gas): Not applicable to liquids Lower and upper explosion limit/flammability limit (%): Not determined Vapour pressure: Not determined Relative density: ≈ 1.00 (20 °C) Relative vapour density: Not determined. Particle characteristics: No data available. 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.

 Vapours may form explosive mixtures with air.

 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): 360

Skin irritation and corrosivity Result: Not corrosive or irritant Eye irritation and corrosivity Result: Not corrosive or irritant

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

closed cup

Not relevant to classification of this product

OECD 109 (EU A.3) Not relevant to classification of this product Not applicable to liquids.

Acute toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|-----------------|----------|------------------|---------|----------------------------------|----------------------|
| 2-butoxyethanol | LD 50 | 1746 | Rat | ATE - Acute Toxicity Estimate | |
| ethanol | LD 50 | 5000 | Rat | OECD 401 (EU B.1) | |
| ammonia | LD 50 | 350 | Rat | Method not given | |
| Propan-2-ol | LD 50 | 5840 | Rat | OECD 401 (EU B.1) | |

Acute dermal toxicity

| Ingredient(s) | Endpoint | Value (mg/kg) | Species | Method | Exposure time (h) |
|-----------------|----------|----------------------|---------|-------------------|----------------------|
| 2-butoxyethanol | LD 50 | 6411 | | Method not given | |
| ethanol | LD 50 | > 10000 | Rabbit | OECD 402 (EU B.3) | |
| ammonia | | No data available | | | |
| Propan-2-ol | LD 50 | > 2000 | 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 |
| ethanol | LC 50 | > 1800 | Rat | Non guideline test | 4 |
| ammonia | LC 50 | 7.035 | Rat | Method not given | 0.5 |
| Propan-2-ol | LC 50 | > 25 (vapour) | Rat | OECD 403 (EU B.2) | 6 |

Irritation and corrosivity Skin irritation and corrosivity

| Skin initiation and conosivity | | | | |
|--------------------------------|--------------|---------|-------------------|--------------------|
| Ingredient(s) | Result | Species | Method | Exposure time |
| 2-butoxyethanol | Irritant | Rabbit | OECD 404 (EU B.4) | 24; 48; 72 hour(s) |
| ethanol | Not irritant | Rabbit | OECD 404 (EU B.4) | |
| ammonia | Corrosive | | Method not given | |
| Propan-2-ol | Not irritant | Rabbit | OECD 404 (EU B.4) | |

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) |
| ethanol | Irritant | Rabbit | OECD 405 (EU B.5) | |
| ammonia | Severe damage | | Method not given | |
| Propan-2-ol | Irritant | Rabbit | OECD 405 (EU B.5) | |

Respiratory tract irritation and corrosivity

| Ingredient(s) | Result | Species | Method | Exposure time |
|-----------------|-------------------|---------|------------------|---------------|
| 2-butoxyethanol | No data available | | | |
| ethanol | No data available | | | |
| ammonia | Irritating to | | Method not given | |
| | respiratory tract | | | |
| Propan-2-ol | 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 | |
| ethanol | Not sensitising | | | |
| ammonia | Not sensitising | | Method not given | |
| Propan-2-ol | Not sensitising | Guinea pig | OECD 406 (EU B.6) / Buebler test | |

Sensitisation by inhalation

| Ingredient(s) | Result | Species | Method | Exposure time |
|-----------------|-------------------|---------|--------|---------------|
| 2-butoxyethanol | No data available | | | |
| ethanol | No data available | | | |
| ammonia | No data available | | | |

| Propan-2-ol | No data available | | |
|-------------|-------------------|--|--|

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

| Mutagenicity | | | | |
|-----------------|---|---------------|--|--------------|
| Ingredient(s) | Result (in-vitro) | Method | Result (in-vivo) | Method |
| | | (in-vitro) | | (in-vivo) |
| 2-butoxyethanol | No evidence for mutagenicity, negative | OECD 471 (EU | No evidence for mutagenicity, negative | OECD 474 (EU |
| | test results | B.12/13) OECD | test results | B.12) |
| | | 476 (Chinese | | |
| | | Hamster | | |
| | | Ovary) | | |
| ethanol | No data available | | No data available | |
| ammonia | No evidence for mutagenicity | | No evidence for mutagenicity | |
| | | | 0,00 | OECD 474 (EU |
| | test results No evidence of genotoxicity, negative test results | B.12/13) | test results | B.12) |

Carcinogenicity

| Ingredient(s) | Effect | |
|-----------------|--|--|
| 2-butoxyethanol | No evidence for carcinogenicity, negative test results | |
| ethanol | No data available | |
| ammonia | No data available | |
| Propan-2-ol | No evidence for carcinogenicity, negative test results | |

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 | | | | |
| ethanol | | | No data available | | | | |
| ammonia | | | No data available | | | | No evidence for reproductive toxicity |
| Propan-2-ol | | | 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 | | | | |
| ethanol | | No data available | | | | |
| ammonia | NOAEL | 68 | | Method not given | | |
| Propan-2-ol | | No data available | | | | |

Sub-chronic dermal toxicity

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure | Specific effects and organs |
|-----------------|----------|--------------|---------|--------|-------------|-----------------------------|
| | | (mg/kg bw/d) | | | time (days) | affected |
| 2-butoxyethanol | | No data | | | | |
| | | available | | | | |
| ethanol | | No data | | | | |
| | | available | | | | |
| ammonia | | No data | | | | |
| | | available | | | | |
| Propan-2-ol | | 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 | | | | |
| ethanol | | No data available | | | | |
| ammonia | | No data available | | | | |
| Propan-2-ol | | 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 | | | | | |
| ethanol | | | No data available | | | | | |
| ammonia | | | No data available | | | | | |
| Propan-2-ol | | | No data available | | | | | |

STOT-single exposure

| Ingredient(s) | Affected organ(s) |
|-----------------|------------------------|
| 2-butoxyethanol | No data available |
| ethanol | No data available |
| ammonia | No data available |
| Propan-2-ol | Central nervous system |

STOT-repeated exposure

| Ingredient(s) | Affected organ(s) |
|-----------------|-------------------|
| 2-butoxyethanol | No data available |
| ethanol | No data available |
| ammonia | No data available |
| Propan-2-ol | 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 |
| ethanol | LC 50 | 8150 | Alburnus alburnus | Method not given | 96 |
| ammonia | LC 50 | 0.56 - 2.48 | Fish | Method not given | 96 |
| Propan-2-ol | LC 50 | > 100 | Pimephales promelas | Method not given | 48 |

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 |
| ethanol | EC 50 | 5012 | Daphnia magna Straus | Method not given | 48 |
| ammonia | EC 50 | 1.1 - 22.8 | Daphnia magna Straus | Method not given | |
| Propan-2-ol | EC 50 | > 100 | Daphnia magna Straus | 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 | OECD 201, static | 72 |
| ethanol | EC 50 | 675 | subcapitata Scenedesmus | Method not given | 72 |
| euration | EC 50 | 0/5 | quadricauda | werrioù not given | 12 |

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| | | | Not specified | | |
|-------------|-------|-----------|---------------|------------------|----|
| ammonia | | No data | | | |
| | | available | | | |
| Propan-2-ol | EC 50 | > 100 | Scenedesmus | Method not given | 72 |
| | | | quadricauda | | |

| Aquatic short-term toxicity - marine species | | | | | |
|--|----------|----------------------|---------|--------|-------------------------|
| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time (days) |
| 2-butoxyethanol | | No data available | | | |
| ethanol | | No data available | | | |
| ammonia | | No data available | | | |
| Propan-2-ol | | No data available | | | |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s) | Endpoint | Value (mg/l) | Inoculum | Method | Exposure time |
|-----------------|----------|----------------------|-----------------------|------------------|------------------|
| 2-butoxyethanol | EC o | 700 | Pseudomonas putida | Method not given | 16 hour(s) |
| ethanol | EC o | 6500 | Pseudomonas putida | Method not given | 16 hour(s) |
| ammonia | | No data available | | | |
| Propan-2-ol | EC 50 | > 1000 | Activated sludge | Method not given | |

Aquatic long-term toxicity

| Ingredient(s) | Endpoint | Value (mg/l) | Species | Method | Exposure time | Effects observed |
|-----------------|----------|----------------------|-------------|----------|------------------|------------------|
| 2-butoxyethanol | NOEC | > 100 | Danio rerio | OECD 204 | 21 day(s) | |
| ethanol | | No data available | | | | |
| ammonia | | No data available | | | | |
| Propan-2-ol | | 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) | |
| ethanol | | No data available | | | | |
| ammonia | | No data available | | | | |
| Propan-2-ol | | 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 |
|---------------|----------|---------------------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | 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 |
|---------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | No data available | | | | |

Terrestrial toxicity - plants, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | No data | | | | |
| | | available | | | | |

Terrestrial toxicity - birds, if available:

| Ingredient(s) | Endpoint | Value | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|----------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | No data available | | | | |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | No data available | | | | |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s) | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|---------------|----------|-----------------------------|---------|--------|-------------------------|------------------|
| Propan-2-ol | | No data available | | | | |

12.2 Persistence and degradability

Abiotic degradation de energia de la cia de acondicio de la constante de la constante de la constante de la constante de la constan

| Ablotic degradation - photodegradation in air, if available: | | | | | | | | | | |
|--|-------------------|--------|------------|--------|--|--|--|--|--|--|
| Ingredient(s) | Half-life time | Method | Evaluation | Remark | | | | | | |
| Propan-2-ol | No data available | | | | | | | | | |

Abiotic degradation - hydrolysis, if available:

| Ingredient(s) | Half-life time in fresh water | Method | Evaluation | Remark |
|---------------|----------------------------------|--------|------------|--------|
| Propan-2-ol | No data available | | | |

Abiotic degradation - other processes, if available:

| Ingredient(s) | Туре | Half-life time | Method | Evaluation | Remark |
|---------------|------|-------------------|--------|------------|--------|
| Propan-2-ol | | No data available | | | |

Biodegradation Ready biodegradability - aerobic conditions

| Ingredient(s) | Inoculum | Analytical | DT 50 | Method | Evaluation |
|-----------------|-----------------------------|----------------------------|------------------------|-----------|--------------------------------------|
| | | method | | | |
| 2-butoxyethanol | | CO ₂ production | 90.4 % in 28 day(s) | OECD 301B | Readily biodegradable |
| ethanol | Activated sludge, aerobe | Oxygen depletion | > 60% in 10 day(s) | OECD 301B | Readily biodegradable |
| ammonia | | | | | Not applicable (inorganic substance) |
| Propan-2-ol | | | 95 % in 21 day(s) | OECD 301E | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

| Ingredient(s) | Medium & Type | Analytical method | DT 50 | Method | Evaluation |
|---------------|---------------|----------------------|-------|--------|-------------------|
| Propan-2-ol | | | | | No data available |

Degradation in relevant environmental compartments, if available:

| Ingredient(s | Medium & Typ | e Analytical method | DT 50 | Method | Evaluation |
|--------------|--------------|------------------------|-------|--------|-------------------|
| Propan-2-ol | | | | | No data available |

12.3 Bioaccumulative potential Partition coefficient n-octanol/water (log Kow)

| and of obotinoion in obtainer, mater (log | | | | |
|---|-------|--------------------|-----------------------------------|--------|
| Ingredient(s) | Value | Method | Evaluation | Remark |
| 2-butoxyethanol | 0.81 | OECD 107 | Low potential for bioaccumulation | |
| ethanol | -0.31 | Weight of evidence | No bioaccumulation expected | |
| ammonia | 0.23 | Method not given | No bioaccumulation expected | |
| Propan-2-ol | 0.05 | OECD 107 | No bioaccumulation expected | |

Bioconcentration factor (BCF)

| Ingredient(s) | Value | Species | Method | Evaluation | Remark |
|-----------------|-------------------|---------|--------------------|-----------------------------|--------|
| 2-butoxyethanol | No data available | | | | |
| ethanol | 0.5 | | Weight of evidence | No bioaccumulation expected | |
| ammonia | No data available | | | | |

| Propan-2-ol | No data available | | |
|-------------|-------------------|--|--|

12.4 Mobility in soil

| 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 |
| ethanol | No data available | | | | |
| ammonia | No data available | | | | Low mobillity in soil |
| Propan-2-ol | No data available | | | | Potential for mobility in soil, soluble in water |

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

 products:
 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 Environmentally hazardous: No
- 14.6 Special precautions for user: Non-dangerous goods
- 14.7 Maritime transport in bulk according to IMO instruments: The product is not transported in bulk tankers. Non-dangerous goods

Other relevant information: Hazchem code: None allocated

This product has been classified, labelled and package in accordance with the requirements of the NZ Land Transport Rule: Dangerous Goods, ADG, and the provisions of the IMDG Code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| HSNO Approval Number Group standard Inventory Listing(s) | HSR002530. Cleaning Products (Subsidiary Hazard) Group Standard 2020 New Zealand: NZIoC (New Zealand Inventory of Chemicals) All components are listed on the NZIoC inventory, or are exempt |
|--|---|
| HSNO Classification | 9.1D - Slightly harmful to the aquatic environment or are otherwise designed for biocidal action |

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: MS32000553

Version: 01.1

Revision: 2023-11-30

Reason for revision: 1, Not applicable

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