



## TASKI ROOM CARE R4

Revision: 2019-05-30

Version: 01.0

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

#### 1.1 Product identifier

**Product name:** TASKI ROOM CARE R4

#### 1.2 Recommended use and restrictions on use

**Identified uses:**

Furniture polish

**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)

Fax: + 64 9 813 9801

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

**HSNO Classification**

9.1D - Slightly harmful to the aquatic environment or are otherwise designed for biocidal action

9.4B - Ecotoxic to terrestrial invertebrates

**GHS Equivalent Classification**

Acute aquatic toxicity, Category 3

Terrestrial invertebrates, Category 2

#### 2.2 Label elements

**Hazard statements:**

H442 - Toxic to terrestrial invertebrates.

H402 - Harmful to aquatic life.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances / Mixtures

| Ingredient(s)                 | CAS number | EC number | Weight percent |
|-------------------------------|------------|-----------|----------------|
| alkanes, C9-12 iso-           | 90622-57-4 | 292-459-0 | 10-30          |
| polydimethylsiloxane          | 63148-62-9 | [4]       | 3-10           |
| white mineral oil (petroleum) | 8042-47-5  | 232-455-8 | 3-10           |
| alkyl alcohol ethoxylate      | 68439-46-3 | [4]       | 0.1-1          |
| alkyl alcohol ethoxylate      | 68439-46-3 | [4]       | 0.1-1          |
| alkyl alcohol ethoxylate      | 68439-50-9 | [4]       | 0.1-1          |

[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

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**4.1 Description of first aid measures**

|  |   |
|--|---|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.   |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Eye contact:</b>                    | Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.  |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell. |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.  |

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

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

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

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

**Poison Information Center:** Call 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**

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

**6.4 Reference to other sections**

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

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Measures to prevent fire and explosions:**

No special precautions required.

**Measures required to protect the environment:**

For environmental exposure controls see subsection 8.2.

**Advices on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. 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) |
|-------------------------------|---------------------|----------------------|------------------|
| white mineral oil (petroleum) | 5 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |                  |

Biological limit values, if available:

### 8.2 Exposure controls

*The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.*

*Recommended safety measures for handling the undiluted product:*

**Appropriate engineering controls:** Use only in well ventilated areas.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

#### 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 166).

**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                                |
|--|--|
| <b>Physical State:</b> Liquid  |  |
| <b>Colour:</b> Milky, White  |  |
| <b>Odour:</b> Product specific Slightly perfumed   |  |
| <b>Odour threshold:</b> Not applicable   |  |
| <b>pH:</b> ≈ 5 (neat)  | ISO 4316                                       |
| <b>Melting point/freezing point (°C):</b> Not determined   | Not relevant to classification of this product |
| <b>Initial boiling point and boiling range (°C):</b> Not determined                                  | See substance data                             |
| <b>Flammability (liquid):</b> Not flammable.   |  |
| <b>Flash point (°C):</b> > 93  | closed cup                                     |
| <b>Sustained combustion:</b> Not applicable.<br>( UN Manual of Tests and Criteria, section 32, L.2 ) |  |
| <b>Evaporation rate:</b> Not relevant for classification of this product.                            | Not relevant to classification of this product |
| <b>Flammability (solid, gas):</b> Not applicable to liquids  |  |
| <b>Upper/lower flammability limit (%):</b> Not determined  | See substance data                             |
| <b>Vapour pressure:</b> Not determined   | See substance data                             |
| <b>Vapour density:</b> Not determined  | Not relevant to classification of this product |
| <b>Relative density:</b> ≈ 0.96 (20 °C)  | OECD 109 (EU A.3)                              |
| <b>Solubility in / Miscibility with Water:</b> Fully miscible  |  |
| <b>Partition coefficient: n-octanol/water</b> No information available.                              |  |
| Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3                 |  |
| <b>Autoignition temperature:</b> Not determined  |  |
| <b>Decomposition temperature:</b> Not applicable.  |  |
| <b>Viscosity:</b> ≈ 150 mPa.s (20 °C)  | DM-006 Viscosity - Standard                    |
| <b>Explosive properties:</b> Not explosive.  |  |
| <b>Oxidising properties:</b> Not oxidising   |  |
| <b>9.2 Other information</b>   |  |
| <b>Surface tension (N/m):</b> Not determined   | OECD 115                                       |
| <b>Corrosion to metals:</b> Not corrosive  | Weight of evidence                             |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

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**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

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

No data is available on the mixture.

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) |
|-------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-           | LD <sub>50</sub> | > 5000            | Rat     | OECD 401 (EU B.1) |                   |
| polydimethylsiloxane          |                  | No data available |         |                   |                   |
| white mineral oil (petroleum) |                  | No data available |         |                   |                   |
| alkyl alcohol ethoxylate      | LD <sub>50</sub> | > 300-2000        | Rat     | Method not given  |                   |
| alkyl alcohol ethoxylate      | LD <sub>50</sub> | 1400              | Rat     | Method not given  |                   |
| alkyl alcohol ethoxylate      |                  | No data available |         |                   |                   |

Acute dermal toxicity

| Ingredient(s)                 | Endpoint         | Value (mg/kg)     | Species | Method            | Exposure time (h) |
|-------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-           | LD <sub>50</sub> | > 5000            | Rabbit  | OECD 402 (EU B.3) |                   |
| polydimethylsiloxane          |                  | No data available |         |                   |                   |
| white mineral oil (petroleum) |                  | No data available |         |                   |                   |
| alkyl alcohol ethoxylate      | LD <sub>50</sub> | > 2000            | Rabbit  | Method not given  |                   |
| alkyl alcohol ethoxylate      | LD <sub>50</sub> | 2000 - 5000       | Rat     | Method not given  |                   |
| alkyl alcohol ethoxylate      |                  | No data available |         |                   |                   |

Acute inhalative toxicity

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species | Method            | Exposure time (h) |
|-------------------------------|------------------|-------------------|---------|-------------------|-------------------|
| alkanes, C9-12 iso-           | LC <sub>50</sub> | > 5 (vapour)      | Rat     | OECD 403 (EU B.2) | 8                 |
| polydimethylsiloxane          |                  | No data available |         |                   |                   |
| white mineral oil (petroleum) |                  | No data available |         |                   |                   |
| alkyl alcohol ethoxylate      |                  | No data available |         |                   |                   |
| alkyl alcohol ethoxylate      |                  | No data available |         |                   |                   |
| alkyl alcohol ethoxylate      |                  | No data available |         |                   |                   |

**Irritation and corrosivity**

Skin irritation and corrosivity

| Ingredient(s)                 | Result            | Species | Method            | Exposure time |
|-------------------------------|-------------------|---------|-------------------|---------------|
| alkanes, C9-12 iso-           | Not irritant      |         | OECD 404 (EU B.4) |               |
| polydimethylsiloxane          | No data available |         |                   |               |
| white mineral oil (petroleum) | No data available |         |                   |               |
| alkyl alcohol ethoxylate      | Not irritant      | Rabbit  | Method not given  |               |

|                          |                   |  |                  |
|--------------------------|-------------------|--|------------------|
|                          |                   |  |                  |
| alkyl alcohol ethoxylate | Not irritant      |  | Method not given |
| alkyl alcohol ethoxylate | No data available |  |                  |

## Eye irritation and corrosivity

| Ingredient(s)                 | Result                    | Species | Method            | Exposure time |
|-------------------------------|---------------------------|---------|-------------------|---------------|
| alkanes, C9-12 iso-           | Not corrosive or irritant |         | OECD 405 (EU B.5) |               |
| polydimethylsiloxane          | No data available         |         |                   |               |
| white mineral oil (petroleum) | No data available         |         |                   |               |
| alkyl alcohol ethoxylate      | Severe damage             | Rabbit  | Method not given  |               |
| alkyl alcohol ethoxylate      | Severe damage             | Rabbit  | Method not given  |               |
| alkyl alcohol ethoxylate      | No data available         |         |                   |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                 | Result                              | Species | Method | Exposure time |
|-------------------------------|-------------------------------------|---------|--------|---------------|
| alkanes, C9-12 iso-           | No data available                   |         |        |               |
| polydimethylsiloxane          | No data available                   |         |        |               |
| white mineral oil (petroleum) | No data available                   |         |        |               |
| alkyl alcohol ethoxylate      | Not irritating to respiratory tract |         |        |               |
| alkyl alcohol ethoxylate      | No data available                   |         |        |               |
| alkyl alcohol ethoxylate      | No data available                   |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                 | Result            | Species    | Method                           | Exposure time (h) |
|-------------------------------|-------------------|------------|----------------------------------|-------------------|
| alkanes, C9-12 iso-           | Not sensitising   |            | OECD 406 (EU B.6) / Buehler test |                   |
| polydimethylsiloxane          | No data available |            |                                  |                   |
| white mineral oil (petroleum) | No data available |            |                                  |                   |
| alkyl alcohol ethoxylate      | Not sensitising   | Guinea pig | Method not given                 |                   |
| alkyl alcohol ethoxylate      | Not sensitising   | Guinea pig | Method not given                 |                   |
| alkyl alcohol ethoxylate      | No data available |            |                                  |                   |

## Sensitisation by inhalation

| Ingredient(s)                 | Result            | Species | Method | Exposure time |
|-------------------------------|-------------------|---------|--------|---------------|
| alkanes, C9-12 iso-           | No data available |         |        |               |
| polydimethylsiloxane          | No data available |         |        |               |
| white mineral oil (petroleum) | No data available |         |        |               |
| alkyl alcohol ethoxylate      | No data available |         |        |               |
| alkyl alcohol ethoxylate      | No data available |         |        |               |
| alkyl alcohol ethoxylate      | 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)            |
|-------------------------------|---|--------------------------------|---|-----------------------------|
| alkanes, C9-12 iso-           | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 473 | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) OECD 478 |
| polydimethylsiloxane          | No data available                                   |                                | No data available                                   |                             |
| white mineral oil (petroleum) | No data available                                   |                                | No data available                                   |                             |
| alkyl alcohol ethoxylate      | No evidence for mutagenicity, negative test results | Method not given               | No data available                                   |                             |
| alkyl alcohol ethoxylate      | No evidence for mutagenicity, negative test results | OECD 473                       | No data available                                   |                             |
| alkyl alcohol ethoxylate      | No data available                                   |                                | No data available                                   |                             |

## Carcinogenicity

| Ingredient(s)                 | Effect   |
|-------------------------------|--|
| alkanes, C9-12 iso-           | No evidence for carcinogenicity, negative test results |
| polydimethylsiloxane          | No data available                                      |
| white mineral oil (petroleum) | No data available                                      |
| alkyl alcohol ethoxylate      | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate      | No evidence for carcinogenicity, negative test results |
| alkyl alcohol ethoxylate      | No data available                                      |

## Toxicity for reproduction

| Ingredient(s)       | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported |
|---------------------|----------|-----------------|--------------------|---------|--------|---------------|------------------------------------|
| alkanes, C9-12 iso- |          |                 | No data            |         |        |               | No evidence for reproductive       |

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|                               |       |  |                   |     |           |  |   |
|-------------------------------|-------|--|-------------------|-----|-----------|--|---|
|                               |       |  | available         |     |           |  | toxicity  |
| polydimethylsiloxane          |       |  | No data available |     |           |  |   |
| white mineral oil (petroleum) |       |  | No data available |     |           |  |   |
| alkyl alcohol ethoxylate      | NOAEL |  | > 250             | Rat |           |  | No known significant effects or critical hazards  |
| alkyl alcohol ethoxylate      | NOAEL |  | > 250             | Rat | Not known |  | No effects on fertility No developmental toxicity |
| alkyl alcohol ethoxylate      |       |  | 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 |
|-------------------------------|----------|--------------------|---------|------------------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-           |          | No data available  |         |                  |                      |                                      |
| polydimethylsiloxane          |          | No data available  |         |                  |                      |                                      |
| white mineral oil (petroleum) |          | No data available  |         |                  |                      |                                      |
| alkyl alcohol ethoxylate      |          | No data available  |         |                  |                      |                                      |
| alkyl alcohol ethoxylate      | NOAEL    | 80 - 400           |         | Method not given |                      |                                      |
| alkyl alcohol ethoxylate      |          | 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 |
|-------------------------------|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-           |          | No data available  |         |                    |                      |                                      |
| polydimethylsiloxane          |          | No data available  |         |                    |                      |                                      |
| white mineral oil (petroleum) |          | No data available  |         |                    |                      |                                      |
| alkyl alcohol ethoxylate      | NOAEL    | 80                 |         | OECD 411 (EU B.28) |                      |                                      |
| alkyl alcohol ethoxylate      | NOAEL    | 80                 |         | OECD 411 (EU B.28) | 90                   |                                      |
| alkyl alcohol ethoxylate      |          | 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 |
|-------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| alkanes, C9-12 iso-           |          | No data available  |         |        |                      |                                      |
| polydimethylsiloxane          |          | No data available  |         |        |                      |                                      |
| white mineral oil (petroleum) |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate      |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate      |          | No data available  |         |        |                      |                                      |
| alkyl alcohol ethoxylate      |          | 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 |
|-------------------------------|----------------|----------|--------------------|---------|------------------|---------------|--------------------------------------|--------|
| alkanes, C9-12 iso-           |                |          | No data available  |         |                  |               |                                      |        |
| polydimethylsiloxane          |                |          | No data available  |         |                  |               |                                      |        |
| white mineral oil (petroleum) |                |          | No data available  |         |                  |               |                                      |        |
| alkyl alcohol ethoxylate      |                | NOAEL    | 80                 |         | Method not given |               |                                      |        |
| alkyl alcohol ethoxylate      |                |          | No data available  |         |                  |               |                                      |        |
| alkyl alcohol ethoxylate      |                |          | No data available  |         |                  |               |                                      |        |

STOT-single exposure

| Ingredient(s)        | Affected organ(s) |
|----------------------|-------------------|
| alkanes, C9-12 iso-  | No data available |
| polydimethylsiloxane | No data available |

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|                               |                   |
|-------------------------------|-------------------|
| white mineral oil (petroleum) | No data available |
| alkyl alcohol ethoxylate      | Not applicable    |
| alkyl alcohol ethoxylate      | No data available |
| alkyl alcohol ethoxylate      | No data available |

STOT-repeated exposure

| Ingredient(s)                 | Affected organ(s) |
|-------------------------------|-------------------|
| alkanes, C9-12 iso-           | No data available |
| polydimethylsiloxane          | No data available |
| white mineral oil (petroleum) | No data available |
| alkyl alcohol ethoxylate      | Not applicable    |
| alkyl alcohol ethoxylate      | No data available |
| alkyl alcohol ethoxylate      | 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) |
|-------------------------------|------------------|-------------------|----------------------------|----------------------------|-------------------|
| alkanes, C9-12 iso-           | LC <sub>0</sub>  | 1000              | <i>Oncorhynchus mykiss</i> | Method not given           | 96                |
| polydimethylsiloxane          |                  | No data available |                            |                            |                   |
| white mineral oil (petroleum) |                  | No data available |                            |                            |                   |
| alkyl alcohol ethoxylate      | LC <sub>50</sub> | 5 - 7             | <i>Fish</i>                | OECD 203 (EU C.1)          | 96                |
| alkyl alcohol ethoxylate      | LC <sub>50</sub> | 5 - 7             | <i>Fish</i>                | 92/69/EEC, C1, semi-static | 96                |
| alkyl alcohol ethoxylate      |                  | No data available |                            |                            |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|-----------------------------|------------------|-------------------|
| alkanes, C9-12 iso-           | EC <sub>0</sub>  | 1000              | <i>Daphnia magna Straus</i> | Method not given | 48                |
| polydimethylsiloxane          |                  | No data available |                             |                  |                   |
| white mineral oil (petroleum) |                  | No data available |                             |                  |                   |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | 5.3               | <i>Daphnia magna Straus</i> | 92/69/EEC        | 48                |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | 5.3               | <i>Daphnia</i>              | 92/69/EEC        | 48                |
| alkyl alcohol ethoxylate      |                  | No data available |                             |                  |                   |

Aquatic short-term toxicity - algae

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species                                | Method           | Exposure time (h) |
|-------------------------------|------------------|-------------------|--|------------------|-------------------|
| alkanes, C9-12 iso-           | EC <sub>0</sub>  | 1000              | <i>Pseudokirchneriella subcapitata</i> | Method not given | 72                |
| polydimethylsiloxane          |                  | No data available |  |                  |                   |
| white mineral oil (petroleum) |                  | No data available |  |                  |                   |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | 1.4 - 47          | <i>Not specified</i>                   | 92/69/EEC        | 72                |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | 1.4 - 47          | <i>Not specified</i>                   | 92/69/EEC        | 72                |
| alkyl alcohol ethoxylate      |                  | No data available |  |                  |                   |

Aquatic short-term toxicity - marine species

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| Ingredient(s)                 | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|-------------------------------|----------|-------------------|---------|--------|----------------------|
| alkanes, C9-12 iso-           |          | No data available |         |        | -                    |
| polydimethylsiloxane          |          | No data available |         |        |                      |
| white mineral oil (petroleum) |          | No data available |         |        |                      |
| alkyl alcohol ethoxylate      |          | No data available |         |        | -                    |
| alkyl alcohol ethoxylate      |          | No data available |         |        | -                    |
| alkyl alcohol ethoxylate      |          | No data available |         |        |                      |

## Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Inoculum        | Method           | Exposure time |
|-------------------------------|------------------|-------------------|-----------------|------------------|---------------|
| alkanes, C9-12 iso-           |                  | No data available |                 |                  |               |
| polydimethylsiloxane          |                  | No data available |                 |                  |               |
| white mineral oil (petroleum) |                  | No data available |                 |                  |               |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | > 140             | <i>Bacteria</i> | Method not given |               |
| alkyl alcohol ethoxylate      | EC <sub>50</sub> | > 140             | <i>Bacteria</i> | Method not given | 3 hour(s)     |
| alkyl alcohol ethoxylate      |                  | No data available |                 |                  |               |

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|-------------------------------|------------------|-------------------|----------------------|------------------|---------------|------------------|
| alkanes, C9-12 iso-           |                  | No data available |                      |                  |               |                  |
| polydimethylsiloxane          |                  | No data available |                      |                  |               |                  |
| white mineral oil (petroleum) |                  | No data available |                      |                  |               |                  |
| alkyl alcohol ethoxylate      | EC <sub>10</sub> | 8983              | <i>Not specified</i> | Method not given | 21 day(s)     |                  |
| alkyl alcohol ethoxylate      | EC <sub>10</sub> | 8.983             | <i>Not specified</i> | Method not given | 21 day(s)     |                  |
| alkyl alcohol ethoxylate      |                  | No data available |                      |                  |               |                  |

## Aquatic long-term toxicity - crustacea

| Ingredient(s)                 | Endpoint         | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|-------------------------------|------------------|-------------------|----------------------|------------------|---------------|------------------|
| alkanes, C9-12 iso-           | NOEC             | 0.025             | <i>Daphnia magna</i> | Method not given | 21 day(s)     |                  |
| polydimethylsiloxane          |                  | No data available |                      |                  |               |                  |
| white mineral oil (petroleum) |                  | No data available |                      |                  |               |                  |
| alkyl alcohol ethoxylate      |                  | 2579              | <i>Daphnia magna</i> | Method not given | 21 day(s)     |                  |
| alkyl alcohol ethoxylate      | EC <sub>10</sub> | 2.579             | <i>Daphnia sp.</i>   | Method not given | 21 day(s)     |                  |
| alkyl alcohol ethoxylate      |                  | 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 |
|-------------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-           |          | No data available         |         |        | -                    |                  |
| polydimethylsiloxane          |          | No data available         |         |        |                      |                  |
| white mineral oil (petroleum) |          | No data available         |         |        |                      |                  |
| alkyl alcohol ethoxylate      |          | No data available         |         |        | -                    |                  |
| alkyl alcohol ethoxylate      |          | No data available         |         |        | -                    |                  |
| alkyl alcohol ethoxylate      |          | No data available         |         |        |                      |                  |

## Terrestrial toxicity

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



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| Ingredient(s)            | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-      |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |

Terrestrial toxicity - plants, if available:

| Ingredient(s)            | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-      |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |

Terrestrial toxicity - birds, if available:

| Ingredient(s)            | Endpoint | Value             | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-      |          | No data available |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available |         |        | -                    |                  |

Terrestrial toxicity - beneficial insects, if available:

| Ingredient(s)            | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-      |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |

Terrestrial toxicity - soil bacteria, if available:

| Ingredient(s)            | Endpoint | Value (mg/kg dw soil) | Species | Method | Exposure time (days) | Effects observed |
|--------------------------|----------|-----------------------|---------|--------|----------------------|------------------|
| alkanes, C9-12 iso-      |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |
| alkyl alcohol ethoxylate |          | No data available     |         |        | -                    |                  |

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

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                 | Inoculum                 | Analytical method | DT <sub>50</sub>  | Method           | Evaluation                 |
|-------------------------------|--------------------------|-------------------|-------------------|------------------|----------------------------|
| alkanes, C9-12 iso-           | Activated sludge, aerobe |                   | 89.81%            | OECD 301F        | Readily biodegradable      |
| polydimethylsiloxane          |                          |                   |                   |                  | Not readily biodegradable. |
| white mineral oil (petroleum) |                          |                   |                   | OECD 301F        | Not readily biodegradable. |
| alkyl alcohol ethoxylate      |                          |                   | 80%               | Method not given | Readily biodegradable      |
| alkyl alcohol ethoxylate      |                          |                   | 60 % in 28 day(s) | Read across      | Readily biodegradable      |
| alkyl alcohol ethoxylate      | Activated sludge, aerobe |                   |                   |                  | Readily biodegradable      |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

| Ingredient(s)       | Medium & Type | Analytical method | DT <sub>50</sub> | Method           | Evaluation        |
|---------------------|---------------|-------------------|------------------|------------------|-------------------|
| alkanes, C9-12 iso- | Surface water |                   | 31.3 % in 28     | Method not given | No data available |

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|  |         |  |        |  |  |
|--|---------|--|--------|--|--|
|  | (fresh) |  | day(s) |  |  |
|--|---------|--|--------|--|--|

**12.3 Bioaccumulative potential**

Partition coefficient n-octanol/water (log Kow)

| Ingredient(s)                 | Value             | Method           | Evaluation                         | Remark |
|-------------------------------|-------------------|------------------|------------------------------------|--------|
| alkanes, C9-12 iso-           | No data available |                  |                                    |        |
| polydimethylsiloxane          | No data available |                  | No bioaccumulation expected        |        |
| white mineral oil (petroleum) | No data available |                  |                                    |        |
| alkyl alcohol ethoxylate      | 3.11 - 4.19       |                  |                                    |        |
| alkyl alcohol ethoxylate      | 3.11 - 4.19       | Method not given | High potential for bioaccumulation |        |
| alkyl alcohol ethoxylate      | No data available |                  |                                    |        |

Bioconcentration factor (BCF)

| Ingredient(s)                 | Value             | Species | Method           | Evaluation                         | Remark |
|-------------------------------|-------------------|---------|------------------|------------------------------------|--------|
| alkanes, C9-12 iso-           | No data available |         |                  |                                    |        |
| polydimethylsiloxane          | No data available |         |                  | No bioaccumulation expected        |        |
| white mineral oil (petroleum) | No data available |         |                  |                                    |        |
| alkyl alcohol ethoxylate      | < 500             |         |                  |                                    |        |
| alkyl alcohol ethoxylate      | < 500             |         | Method not given | High potential for bioaccumulation |        |
| alkyl alcohol ethoxylate      | 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                                       |
|-------------------------------|--------------------------------|-------------------------------------|--------|--------------------|--|
| alkanes, C9-12 iso-           | No data available              |                                     |        |                    |  |
| polydimethylsiloxane          | No data available              |                                     |        |                    |  |
| white mineral oil (petroleum) | No data available              |                                     |        |                    |  |
| alkyl alcohol ethoxylate      | No data available              |                                     |        |                    | High potential for mobility in soil              |
| alkyl alcohol ethoxylate      | No data available              |                                     |        |                    | Potential for mobility in soil, soluble in water |
| alkyl alcohol ethoxylate      | No data available              |                                     |        |                    |  |

**12.5 Other adverse effects**

No other adverse effects known.

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

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

**Empty packaging****Recommendation:****Suitable cleaning agents:**

Dispose of observing national or local regulations.

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**Environmentally hazardous:** No**Marine pollutant:** No**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** 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.

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

**SECTION 15: Regulatory information**

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

|                             |  |
|-----------------------------|--|
| <b>HSNO Approval Number</b> | HSR002530.   |
| <b>Group standard</b>       | Cleaning Products (Subsidiary Hazard) Group Standard 2017  |
| <b>Inventory Listing(s)</b> | New Zealand: NZIoC (New Zealand Inventory of Chemicals)<br>All components are listed on the NZIoC inventory, or are exempt |

**SECTION 16: Other information**

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

SDS code: MS32000269

Version: 01.0

Revision: 2019-05-30

**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 - GHS Specific 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 - Organization for Economic Cooperation and Development

**End of Safety Data Sheet**