



## ROOM CARE R4

Revision: 2019-04-16

Version: 01.0

**SECTION 1: Identification of the substance/mixture and supplier****1.1 Product identifier**

Product name: 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: +64 9 813 9800; 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.

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**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****Physical State:** Liquid**Colour:** Milky, White**Odour:** Product specific Slightly perfumed**Odour threshold:** Not applicable**pH:** ≈ 5 (neat)**Melting point/freezing point (°C):** Not determined**Initial boiling point and boiling range (°C):** Not determined**Flammability (liquid):** Not flammable.**Flash point (°C):** > 93**Sustained combustion:** Not applicable.*( UN Manual of Tests and Criteria, section 32, L.2 )***Evaporation rate:** Not relevant for classification of this product.**Flammability (solid, gas):** Not applicable to liquids**Upper/lower flammability limit (%):** Not determined**Vapour pressure:** Not determined**Vapour density:** Not determined**Relative density:** ≈ 0.96 (20 °C)**Solubility in / Miscibility with Water:** Fully miscible**Partition coefficient: n-octanol/water** No information available.

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

**Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**Viscosity:** ≈ 150 mPa.s (20 °C)**Explosive properties:** Not explosive.**Oxidising properties:** Not oxidising**Method / remark**

ISO 4316

Not relevant to classification of this product

See substance data

closed cup

Not relevant to classification of this product

See substance data

See substance data

Not relevant to classification of this product

OECD 109 (EU A.3)

DM-006 Viscosity - Standard

**9.2 Other information****Surface tension (N/m):** Not determined**Corrosion to metals:** Not corrosive

OECD 115

Weight of evidence

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

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

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

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>	300 - 2000		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)	
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**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:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****ADG, IMO/IMDG, ICAO/IATA****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**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**

## ROOM CARE R4

**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) 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*

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**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**