



# Safety Data Sheet

## JIF PROFESSIONAL CREAM CLEANER

Revision: 2020-08-06

Version: 01.0

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

#### 1.1 Product identifier

**Product name:** JIF PROFESSIONAL CREAM CLEANER

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#### 1.2 Recommended use and restrictions on use

**Identified uses:**

Bathroom and kitchen 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](http://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

6.3B - Mildly irritating to the skin

8.3A - Corrosive to ocular tissue

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

##### GHS Equivalent Classification

Serious eye damage, Category 1

Skin irritation, Category 3

Acute aquatic toxicity, Category 3

#### 2.2 Label elements



**Signal word:** Danger

##### Hazard statements:

H316 - Causes mild skin irritation.

H318 - Causes serious eye damage.

H402 - Harmful to aquatic life.

##### Prevention statement(s):

P233 - Keep container tightly closed.

P280 - Wear eye or face protection.

##### Response statement(s):

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTRE, doctor or physician.

**JIF PROFESSIONAL CREAM CLEANER****Disposal statement(s):**

P501 - Dispose of unused content as chemical waste.

**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
Limestone	1317-65-3	215-279-6	30-60
Alcohols, C10-16, ethoxylated (7-<15 EO)	68002-97-1	[4]	3-10
sodium carbonate	497-19-8	207-838-8	1-3
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	1-3
sodium dodecylbenzenesulphonate	25155-30-0	246-680-4	1-3
Sodium oleate	143-19-1	205-591-0	1-3
alkyl alcohol ethoxylate	68002-97-1	500-182-6	1-3

[4] Polymer.

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

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

**SECTION 4: First aid measures****4.1 Description of first aid measures****Inhalation:**

Remove person to fresh air and keep comfortable for breathing.

**Skin contact:**

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

**Eye contact:**

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.

**Ingestion:**

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

**Self-protection of first aider:**

Consider personal protective equipment as indicated in subsection 8.2.

**First aid facilities:**

Eyewash facilities should be considered in a workplace where necessary.

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

No known effects or symptoms in normal use.

**Skin contact:**

No known effects or symptoms in normal use.

**Eye contact:**

Causes severe or permanent damage.

**Ingestion:**

No known effects or symptoms in normal use.

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

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

**Poison Information Center:** Call 0800 764 766 (0800 POISON)**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

**5.2 Special hazards arising from the substance or mixture**

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

**5.4 Hazchem code**

None allocated

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear eye/face protection.

**6.2 Environmental precautions**

**JIF PROFESSIONAL CREAM CLEANER**

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. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

**7.3 Specific end use(s)**

No specific advice for end use available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Workplace exposure limits**

Air limit values, if available:

Ingredient(s)	Long term value(s)	Short term value(s)	Ceiling value(s)
Limestone	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:** No special requirements under normal use conditions.  
**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment**

**Eye / face protection:** Safety glasses or goggles (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**

**Physical State:** Liquid  
**Appearance:** Viscous liquid  
**Colour:** Opaque, White  
**Odour:** Product specific  
**Odour threshold:** Not applicable

## JIF PROFESSIONAL CREAM CLEANER

pH  $\approx$  11.1 (neat)  
**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

ISO 4316  
 Not relevant to classification of this product

**Flammability (liquid):** Not flammable.  
**Flash point (°C):** > 100 °C  
**Sustained combustion:** Not applicable.  
 ( UN Manual of Tests and Criteria, section 32, L.2 )

closed cup

**Evaporation rate:** Not determined  
**Flammability (solid, gas):** Not applicable to liquids  
**Upper/lower flammability limit (%):** Not determined  
**Vapour pressure:** Not determined  
**Vapour density:** Not determined  
**Relative density:**  $\approx$  1.4 (20 °C)  
**Solubility in / Miscibility with Water:** Fully miscible  
**Partition coefficient: n-octanol/water** No information available.

Not relevant to classification of this product

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

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

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not applicable.  
**Viscosity:**  $\approx$  4000 mPa.s (20 °C)  
**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising

## 9.2 Other information

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

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

### 10.2 Chemical stability

Stable under normal storage and use conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

### 10.4 Conditions to avoid

None known under normal storage and use conditions.

### 10.5 Incompatible materials

Reacts with acids.

### 10.6 Hazardous decomposition products

None known under normal storage and use conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Mixture data:.

#### Relevant calculated ATE(s):

ATE - Oral (mg/kg): >5000

ATE - Inhalatory, mists (mg/l): >20

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

#### Acute toxicity

Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Limestone	LD <sub>50</sub>	> 5000	Rat	Method not given	

## JIF PROFESSIONAL CREAM CLEANER

Alcohols, C10-16, ethoxylated (7-<15 EO)	LD <sub>50</sub>	≥ 1000		Read across	
sodium carbonate	LD <sub>50</sub>	2800	Rat	Method not given	
2-(2-butoxyethoxy)ethanol	LD <sub>50</sub>	2410	Rat	Method not given	
sodium dodecylbenzenesulphonate	LD <sub>50</sub>	650	Rat	Non guideline test Weight of evidence	
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

## Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Limestone		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	LD <sub>50</sub>	> 2000		Method not given	
sodium carbonate	LD <sub>50</sub>	> 2000	Rabbit	Method not given	
2-(2-butoxyethoxy)ethanol	LD <sub>50</sub>	2764	Rabbit	Method not given	
sodium dodecylbenzenesulphonate	LD <sub>50</sub>	> 2000	Rat		
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available			
sodium carbonate	LC <sub>50</sub>	> 2.3 (dust)		Weight of evidence	2
2-(2-butoxyethoxy)ethanol		No data available			
sodium dodecylbenzenesulphonate		No data available			
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not irritant	Rabbit	Method not given	
sodium carbonate	Not irritant	Rabbit	OECD 404 (EU B.4)	
2-(2-butoxyethoxy)ethanol	Not irritant	Rabbit	Method not given	
sodium dodecylbenzenesulphonate	Irritant			
Sodium oleate	No data available			
alkyl alcohol ethoxylate	No data available			

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Severe damage	Rabbit	Method not given	
sodium carbonate	Irritant	Rabbit	Method not given	
2-(2-butoxyethoxy)ethanol	Irritant	Rabbit	Method not given	
sodium dodecylbenzenesulphonate	Corrosive			
Sodium oleate	No data available			
alkyl alcohol ethoxylate	No data available			

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available			
sodium carbonate	No data available			
2-(2-butoxyethoxy)ethanol	No data available			
sodium dodecylbenzenesulphonate	No data available			
Sodium oleate	No data available			

alkyl alcohol ethoxylate	No data available			
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**Sensitisation**

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	Not sensitising	Guinea pig	Method not given	
sodium carbonate	Not sensitising		Method not given	
2-(2-butoxyethoxy)ethanol	Not sensitising	Guinea pig	Method not given	
sodium dodecylbenzenesulphonate	Not sensitising	Guinea pig		
Sodium oleate	No data available			
alkyl alcohol ethoxylate	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available			
sodium carbonate	No data available			
2-(2-butoxyethoxy)ethanol	No data available			
sodium dodecylbenzenesulphonate	No data available			
Sodium oleate	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)
Limestone	No data available		No data available	
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for mutagenicity, negative test results	Method not given	No evidence for mutagenicity, negative test results	Method not given
sodium carbonate	No data available		No data available	
2-(2-butoxyethoxy)ethanol	No evidence of genotoxicity, negative test results	Method not given	No evidence of genotoxicity, negative test results	Method not given
sodium dodecylbenzenesulphonate	No data available		No data available	
Sodium oleate	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
Limestone	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	No evidence for carcinogenicity, weight-of-evidence
sodium carbonate	No evidence for carcinogenicity, weight-of-evidence
2-(2-butoxyethoxy)ethanol	No data available
sodium dodecylbenzenesulphonate	No data available
Sodium oleate	No data available
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
Limestone			No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)			No data available		Literature		No evidence for teratogenic effects No evidence for reproductive toxicity
sodium carbonate			No data available				
2-(2-butoxyethoxy)ethanol			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity
sodium dodecylbenzenesulphonate			No data available				
Sodium oleate			No data available				
alkyl alcohol ethoxylate			No data available				

**Repeated dose toxicity**

Sub-acute or sub-chronic oral toxicity

## JIF PROFESSIONAL CREAM CLEANER

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
sodium carbonate		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		No data available				
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
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
sodium carbonate		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		No data available				
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
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
sodium carbonate		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		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
Limestone			No data available					
Alcohols, C10-16, ethoxylated (7-<15 EO)			No data available					
sodium carbonate			No data available					
2-(2-butoxyethoxy)ethanol			No data available					
sodium dodecylbenzenesulphonate			No data available					
Sodium oleate			No data available					
alkyl alcohol ethoxylate			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
Limestone	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available
sodium carbonate	No data available
2-(2-butoxyethoxy)ethanol	No data available

## JIF PROFESSIONAL CREAM CLEANER

sodium dodecylbenzenesulphonate	No data available
Sodium oleate	No data available
alkyl alcohol ethoxylate	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Limestone	No data available
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available
sodium carbonate	No data available
2-(2-butoxyethoxy)ethanol	No data available
sodium dodecylbenzenesulphonate	No data available
Sodium oleate	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)
Limestone	LC <sub>50</sub>	> 10000	<i>Oncorhynchus mykiss</i>	Method not given	96
Alcohols, C10-16, ethoxylated (7-<15 EO)	LC <sub>50</sub>	> 1-10	<i>Brachydanio rerio</i>	Method not given	96
sodium carbonate	LC <sub>50</sub>	300	<i>Lepomis macrochirus</i>	Method not given	96
2-(2-butoxyethoxy)ethanol	LC <sub>50</sub>	> 100	<i>Fish</i>	Method not given	-
sodium dodecylbenzenesulphonate		No data available			
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone	EC <sub>50</sub>	> 1000	<i>Daphnia magna Straus</i>	Method not given	48
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	> 1-10	<i>Daphnia magna Straus</i>	Method not given	48
sodium carbonate	EC <sub>50</sub>	265	<i>Daphnia magna Straus</i>	Method not given	96
2-(2-butoxyethoxy)ethanol	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	DIN 38412, Part 11	48
sodium dodecylbenzenesulphonate		No data available			
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Limestone	EC <sub>50</sub>	> 200	<i>Desmodesmus subspicatus</i>	Method not given	72
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	> 1-10	<i>Desmodesmus subspicatus</i>	Method not given	72
sodium carbonate		No data available			-



## JIF PROFESSIONAL CREAM CLEANER

2-(2-butoxyethoxy)ethanol	EC <sub>50</sub>	> 100	<i>Desmodesmus subspicatus</i>	Method not given	-
sodium dodecylbenzenesulphonate		No data available		Weight of evidence	
Sodium oleate		No data available			
alkyl alcohol ethoxylate		No data available			

## Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Limestone		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available			
sodium carbonate		No data available			-
2-(2-butoxyethoxy)ethanol		No data available			-
sodium dodecylbenzenesulphonate		No data available			
Sodium oleate		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
Limestone		No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>50</sub>	140	<i>Activated sludge</i>	Method not given	
sodium carbonate		No data available			
2-(2-butoxyethoxy)ethanol	EC <sub>10</sub>	1170	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
sodium dodecylbenzenesulphonate		No data available			
Sodium oleate		No data available			
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
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
sodium carbonate		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		No data available				
alkyl alcohol ethoxylate		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	EC <sub>10</sub>	> 0.1-1	<i>Daphnia sp.</i>	OECD 211		
sodium carbonate		No data available				
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		No data available				
alkyl alcohol ethoxylate		No data available				

## JIF PROFESSIONAL CREAM CLEANER

		available				
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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
Limestone		No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)		No data available				
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	
sodium dodecylbenzenesulphonate		No data available				
Sodium oleate		No data available				
alkyl alcohol ethoxylate		No data available				

**Terrestrial toxicity**

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

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
sodium carbonate		No data available			-	
2-(2-butoxyethoxy)ethanol		No data available			-	

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

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Ingredient(s)	Half-life time in fresh water	Method	Evaluation	Remark
sodium carbonate	No data available		Rapidly hydrolysible	

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT <sub>50</sub>	Method	Evaluation
Limestone					Not applicable (inorganic substance)
Alcohols, C10-16, ethoxylated (7-<15 EO)	Activated sludge, aerobe	Method not given	> 60 % in 28 day(s)	OECD 301B	Readily biodegradable
sodium carbonate					Not applicable (inorganic substance)
2-(2-butoxyethoxy)ethanol			76 % in 28 day(s)	OECD 301D	Readily biodegradable
sodium dodecylbenzenesulphonate				OECD 301E	Readily biodegradable
Sodium oleate				Weight of evidence	Readily biodegradable
alkyl alcohol ethoxylate					No data available

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

Ingredient(s)	Value	Method	Evaluation	Remark
Limestone	No data available			
Alcohols, C10-16, ethoxylated (7-<15 EO)	-		No bioaccumulation expected	
sodium carbonate	No data available		No bioaccumulation expected	
2-(2-butoxyethoxy)ethanol	0.56	Method not given	No bioaccumulation expected	
sodium dodecylbenzenesulphonate	No data available			
Sodium oleate	No data available			
alkyl alcohol ethoxylate	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Limestone	No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available				
sodium carbonate	No data available			No bioaccumulation expected	
2-(2-butoxyethoxy)ethanol	No data available				
sodium dodecylbenzenesulphonate	No data available				
Sodium oleate	No data available				
alkyl alcohol ethoxylate	No data available				

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K <sub>oc</sub>	Desorption coefficient Log K <sub>oc</sub> (des)	Method	Soil/sediment type	Evaluation
Limestone	No data available				
Alcohols, C10-16, ethoxylated (7-<15 EO)	No data available				
sodium carbonate	No data available				Potential for mobility in soil, soluble in water
2-(2-butoxyethoxy)ethanol	No data available				Potential for mobility in soil, soluble in water
sodium dodecylbenzenesulphonate	No data available				
Sodium oleate	No data available				
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

**JIF PROFESSIONAL CREAM CLEANER**

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

**14.6 Special precautions for user:** Non-dangerous goods

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

**Other relevant information:**

**Hazchem code:** None allocated

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002530.

**Group standard**

Cleaning Products (Subsidiary Hazard) Group Standard 2017

**Inventory Listing(s)**

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*

**SDS code:** MS32000642

**Version:** 01.0

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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 - 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 - Organization for Economic Cooperation and Development

**End of Safety Data Sheet**