

Break Up J-Fill

Revision: 2016-04-29

Version: 01.0

SECTION 1: Identification of the substance/mixture and supplier

1.1 Product identifier

Product name Break Up J-Fill

1.2 Recommended use and restrictions on use

Identified uses:

Degreaser

Restrictions of use:

Uses other than those identified are not recommended

1.3 Details of the supplier

Diversey Australia Pty. Limited
29 Chifley St, Smithfield, NSW, 2164, Australia
Telephone: 1800 647 779 (toll free)
Fax: (02) 9725 5767
Email: aucustserv@sealedair.com
Website: <http://www.sealedair.com/>

1.4 Emergency telephone number

Call 1800 033 111 (24hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Serious eye damage, Category 1
Skin irritation, Category 2

2.2 Label elements



Signal word: Danger

Hazard statements:

H315 - Causes skin irritation.
H318 - Causes serious eye damage.

Prevention statement(s):

P233 - Keep container tightly closed.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing and eye or face protection.

Response statement(s):

P332 + P313 - If skin irritation occurs: Get medical advice or attention.
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.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P362 - Take off contaminated clothing.

Disposal statement(s):

P501 - Dispose of unused content as chemical waste.

2.3 Other hazards

No other hazards known.

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2.4 Classification diluted product:

Recommended maximum concentration (%): 0.39

Not classified

SECTION 3: Composition/information on ingredients**3.1 Substances / Mixtures**

Ingredient(s)	CAS number	EC number	Classification	Weight percent
betaines, C12-C14 (even numbered)-Alkyldimethyl	-	931-700-2	Skin Corr. 1B (H314)	10-30
alkyl polyglucoside	68515-73-1	500-220-1	Eye Dam. 1 (H318)	3-10
Lauryl dimethyl amine oxide	1643-20-5	216-700-6	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	3-10
coconut oil, reaction products with diethanolamine	8051-30-7	232-483-0	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	3-10
oleylamine , ethoxylated	26635-93-8	Present	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)	1-3
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	Acute Tox. 2 (H330) Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	< 0.01

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

* Polymer.

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

For the full text of the H and AUH phrases mentioned in this Section, see Section 16.

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

Inhalation:	Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Immediately rinse eyes cautiously with lukewarm water for several 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. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.
First aid facilities:	Eyewash facilities should be considered in a workplace where necessary.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Causes irritation.
Eye contact:	Causes severe 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 13 11 26 (Australia Wide).**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

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

Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

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 Sealed Air. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with eyes. Use only with adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

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

Biological limit values, if available:

8.2 Exposure controls

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

Recommended safety measures for handling the undiluted product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls:

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

Appropriate organisational controls:

Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment**Eye / face protection:**

Safety glasses or goggles (EN 166).

Hand protection:

Chemical-resistant protective gloves (EN 374).

Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier.

Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact:

Material: butyl rubber

Penetration time: \geq 480 min

Material thickness: \geq 0.7 mm

Suggested gloves for protection against splashes:

Material: nitrile rubber

Penetration time: \geq 30 min

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Material thickness: ≥ 0.4 mm

Body protection: In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 0.39

Appropriate engineering controls: No special requirements under normal use conditions.

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.

Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.

Body protection: No special requirements under normal use conditions.

Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Method / remark

Physical State: Liquid

Colour: Clear, Yellow

Odour: Product specific

Odour threshold: Not applicable

pH: ≈ 7.5 (neat)

Dilution pH: ≈ 7 (1%)

Melting point/freezing point (°C): Not determined

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

Flash point (°C): Not applicable.

Sustained combustion: Not applicable.

Evaporation rate: Not determined

Flammability (solid, gas): Not determined

Upper/lower flammability limit (%): Not determined

Vapour pressure: Not determined

Vapour density: Not determined

Relative density: 1.024 g/cm³ (20 °C)

Solubility in / Miscibility with Water: Fully miscible

Autoignition temperature: Not determined

Decomposition temperature: Not applicable.

Viscosity: Not determined

Explosive properties: Not explosive.

Oxidising properties: Not oxidising

9.2 Other information

Surface tension (N/m): Not determined

Corrosion to metals: Not corrosive

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

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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

Mixture data:.

Relevant calculated ATE(s):

ATE - Oral (mg/kg): 3300

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)
betaines, C12-C14 (even numbered)-Alkyldimethyl	LD ₅₀	3202.5	Rat	Method not given	
alkyl polyglucoside	LD ₅₀	> 2000	Rat	OECD 423 (EU B.1 tris)	
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
betaines, C12-C14 (even numbered)-Alkyldimethyl	LD ₅₀	> 620	Rat	Method not given	
alkyl polyglucoside	LD ₅₀	> 2000	Rabbit	OECD 402 (EU B.3)	
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			
alkyl polyglucoside		No data available			
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
betaines, C12-C14 (even numbered)-Alkyldimethyl	Irritant	Rabbit	OECD 404 (EU B.4)	
alkyl polyglucoside	Not irritant	Rabbit	OECD 404 (EU B.4)	
Lauryl dimethyl amine oxide	No data available			
coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

Eye irritation and corrosivity

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Ingredient(s)	Result	Species	Method	Exposure time
betaines, C12-C14 (even numbered)-Alkyldimethyl	Severe damage	Rabbit	OECD 405 (EU B.5)	
alkyl polyglucoside	Severe damage	Rabbit	OECD 405 (EU B.5)	
Lauryl dimethyl amine oxide	No data available			
coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
betaines, C12-C14 (even numbered)-Alkyldimethyl	Irritating to respiratory tract		Method not given	
alkyl polyglucoside	No data available			
Lauryl dimethyl amine oxide	No data available			
coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
betaines, C12-C14 (even numbered)-Alkyldimethyl	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
alkyl polyglucoside	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
Lauryl dimethyl amine oxide	No data available			
coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available			
alkyl polyglucoside	No data available			
Lauryl dimethyl amine oxide	No data available			
coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	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)
betaines, C12-C14 (even numbered)-Alkyldimethyl	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13) OECD 473 OECD 476 (Chinese Hamster Ovary)	No data available	
alkyl polyglucoside	No evidence for mutagenicity, negative test results	Read across	No data available	
Lauryl dimethyl amine oxide	No data available		No data available	
coconut oil, reaction products with diethanolamine	No data available		No data available	
oleylamine , ethoxylated	No data available		No data available	
1,2-benzisothiazol-3(2H)-one	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
alkyl polyglucoside	No evidence for carcinogenicity, weight-of-evidence
Lauryl dimethyl amine oxide	No data available
coconut oil, reaction products with diethanolamine	No data available
oleylamine , ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	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
betaines, C12-C14 (even numbered)-Alkyldimethyl	NOAEL	Developmental toxicity	150	Rat	OECD 422, oral		

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alkyl polyglucoside			No data available		OECD 416, (EU B.35), oral		No evidence for reproductive toxicity
Lauryl dimethyl amine oxide			No data available				
coconut oil, reaction products with diethanolamine			No data available				
oleylamine , ethoxylated			No data available				
1,2-benzisothiazol-3(2H)-one			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
betaines, C12-C14 (even numbered)-Alkyldimethyl	NOAEL	145	Rat	OECD 408 (EU B.26)	90	
alkyl polyglucoside	NOAEL	100	Rat	OECD 408 (EU B.26)	90	
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		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
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
alkyl polyglucoside		No data available				
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		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
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
alkyl polyglucoside		No data available				
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		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
betaines, C12-C14 (even numbered)-Alkyldimethyl			No data available					
alkyl polyglucoside			No data available					
Lauryl dimethyl amine oxide			No data available					
coconut oil, reaction products with diethanolamine			No data available					
oleylamine , ethoxylated			No data available					
1,2-benzisothiazol-3(2H)-one			No data available					

STOT-single exposure

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Ingredient(s)	Affected organ(s)
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
alkyl polyglucoside	No data available
Lauryl dimethyl amine oxide	No data available
coconut oil, reaction products with diethanolamine	No data available
oleylamine , ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
alkyl polyglucoside	No data available
Lauryl dimethyl amine oxide	No data available
coconut oil, reaction products with diethanolamine	No data available
oleylamine , ethoxylated	No data available
1,2-benzisothiazol-3(2H)-one	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)
betaines, C12-C14 (even numbered)-Alkyldimethyl	LC ₅₀	4.44	<i>Fish</i>	OECD 203, static	96
alkyl polyglucoside	LC ₅₀	100.81	<i>Brachydanio rerio</i>	ISO 7346	96
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
betaines, C12-C14 (even numbered)-Alkyldimethyl	IC ₅₀	5.3 - 9.8	<i>Daphnia</i>	OECD 202, static	48
alkyl polyglucoside	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	OECD 202	48
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
betaines, C12-C14 (even numbered)-Alkyldimethyl	EC ₅₀	1.7	<i>Not specified</i>	OECD 201, static	72
alkyl polyglucoside	EC ₅₀	27.22	<i>Desmodesmus subspicatus</i>	Method not given	72
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

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Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-
alkyl polyglucoside	EC ₅₀	12.43	<i>Skeletonema costatum</i>	Method not given	3
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
betaines, C12-C14 (even numbered)-Alkyldimethyl	EC ₅₀	> 2000	<i>Bacteria</i>	DIN 38412 / Part 8	16 hour(s)
alkyl polyglucoside	EC ₁₀	> 560	<i>Pseudomonas putida</i>	Method not given	6 hour(s)
Lauryl dimethyl amine oxide		No data available			
coconut oil, reaction products with diethanolamine		No data available			
oleylamine , ethoxylated		No data available			
1,2-benzisothiazol-3(2H)-one		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
alkyl polyglucoside	NOEC	1	<i>Brachydanio rerio</i>	Method not given	28 day(s)	
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
alkyl polyglucoside	NOEC	1	<i>Daphnia magna</i>	OECD 202	21 day(s)	
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		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
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		No data available			-	
Lauryl dimethyl amine oxide		No data available				
coconut oil, reaction products with diethanolamine		No data available				
oleylamine , ethoxylated		No data available				
1,2-benzisothiazol-3(2H)-one		No data				

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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
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
alkyl polyglucoside		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 ₅₀	Method	Evaluation
betaines, C12-C14 (even numbered)-Alkyldimethyl		CO ₂ production	63 - 79 % in 28 day(s)	OECD 301B	Readily biodegradable
alkyl polyglucoside			59%	OECD 301C	Readily biodegradable
Lauryl dimethyl amine oxide					No data available
coconut oil, reaction products with diethanolamine					No data available
oleylamine , ethoxylated					No data available
1,2-benzisothiazol-3(2H)-one					Readily biodegradable

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 Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
betaines, C12-C14 (even numbered)-Alkyldimethyl	-0.4	Method not given	Low potential for bioaccumulation	
alkyl polyglucoside	0.07	Method not given	No bioaccumulation expected	
Lauryl dimethyl amine oxide	No data available			

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coconut oil, reaction products with diethanolamine	No data available			
oleylamine , ethoxylated	No data available			
1,2-benzisothiazol-3(2H)-one	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available				
alkyl polyglucoside	No data available				
Lauryl dimethyl amine oxide	No data available				
coconut oil, reaction products with diethanolamine	No data available				
oleylamine , ethoxylated	No data available				
1,2-benzisothiazol-3(2H)-one	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
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available				
alkyl polyglucoside	No data available				
Lauryl dimethyl amine oxide	No data available				
coconut oil, reaction products with diethanolamine	No data available				
oleylamine , ethoxylated	No data available				
1,2-benzisothiazol-3(2H)-one	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

14.6 Special precautions for user: Non-dangerous goods

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: The product is not transported in bulk tankers.

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

National regulations:

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

Poison schedule

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Break Up J-Fill**Inventory listing(s)**

AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, 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: MS31000018**Version:** 01.0**Revision:** 2016-04-29

- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H330 - Fatal if inhaled.
- H400 - Very toxic to aquatic life.
- H410 - Very toxic to aquatic life with long lasting effects.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- DNEL - Derived No Effect Limit
- EUH - CLP Specific hazard statement
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- ATE - Acute Toxicity Estimate

End of Safety Data Sheet