



COMPLETE

Revision: 2018-05-04

Version: 01.0

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

Trade name: COMPLETE

1.2 Recommended use and restrictions on use

For professional and industrial use only.

1.3 Details of the supplier of the safety data sheet

Diversey (Malaysia) Sdn. Bhd.

Contact details

No. 6, Jalan Pengarah U1/29, Seksyen U1
Hicom Glenmarie Industrial Park
40150 Shah Alam
Selangor, Malaysia
Tel : +603-5569-6363
Fax: +603-5569-6262

1.4 Emergency telephone number

Tel : +603-5569-6363

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Aquatic Chronic 3 (H412)

2.2 Label elements**Hazard statements:**

H412 - Harmful to aquatic life with long lasting effects.

2.3 Other hazards

No other hazards known

Exposure and appropriate engineering controls are specified in subsection 8.2 exposure controls.

2.4 Classification diluted product:**Recommended maximum concentration (%): 9.2**

Not classified as hazardous

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

Ingredient(s)	CAS number	Classification	Weight percent
ethanediol	107-21-1	Acute Tox. 4 (H302)	1-3
ammonia	1336-21-6	Skin Corr. 1B (H314) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	0.1-1
zinc oxide	1314-13-2	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	0.1-1
alkyl alcohol ethoxylate	68131-39-5	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)	0.1-1
2-diethylaminoethanol	100-37-8	Flam. Liq. 3 (H226)	0.1-1

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		Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Acute Tox. 4 (H302) STOT SE 3 (H335)	
potassium hydroxide	1310-58-3	Skin Corr. 1A (H314) Acute Tox. 4 (H302) Met. Corr. 1 (H290)	0.1-1

Workplace exposure limit(s), if available, are listed in subsection 8.1.
For the full text of the H phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

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

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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, 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 Diversey. 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. Use personal protective equipment as required. Use only with

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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)	Ceiling value(s)
ethanediol		39.4 ppm 100 mg/m ³
zinc oxide	5 mg/m ³ 10 mg/m ³	
2-diethylaminoethanol	2 ppm 9.6 mg/m ³	
potassium hydroxide		2 mg/m ³

Biological limit values, if available:

8.2 Exposure controls

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

Recommended safety measures for handling the undiluted product:

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

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: No special requirements under normal use conditions.

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.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 9.2

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: No special requirements under normal use conditions.

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: Opaque, Brown

Odour: Product specific

Odour threshold: Not applicable

pH: ≈ 9 (neat)

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

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

Method / remark

ISO 4316

Not relevant to classification of this product

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Flash point (°C): > 93.4

closed cup

Sustained combustion: Not applicable.
(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation rate: Not determined

Not relevant to 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

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

Relative density: ≈ 1.02 (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: ≈ 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

0.07 %P

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

Mixture data:.

Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

ATE - Dermal (mg/kg): >2000

ATE - Inhalatory, vapours (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)
ethanediol	LD ₅₀	300 - 2000	Rat	Method not given	
ammonia	LD ₅₀	350	Rat	Method not given	
zinc oxide	LD ₅₀	> 5000	Rat	Method not given	
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	LD ₅₀	1320	Rat	Non guideline test	
potassium hydroxide	LD ₅₀	333	Rat	OECD 425	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
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ethanediol	LD ₅₀	> 2000	Rabbit	Method not given	
ammonia		No data available			
zinc oxide		No data available			
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	LD ₅₀	885	Guinea pig	Non guideline test	
potassium hydroxide		No data available			

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanediol	LC ₅₀	> 2.5 (mist)	Rat	Weight of evidence	6
ammonia	LC ₅₀	7.035	Rat	Method not given	0.5
zinc oxide		No data available			
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	LC ₅₀	4.6 (vapour)	Rat	Non guideline test	4
potassium hydroxide		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanediol	Not irritant	Rabbit	Method not given	
ammonia	Corrosive		Method not given	
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	Corrosive	Rat	OECD 404 (EU B.4)	
potassium hydroxide	Corrosive	Rabbit	Draize test	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanediol	Not corrosive or irritant	Rabbit	Method not given	
ammonia	Severe damage		Method not given	
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	Corrosive	Rabbit	OECD 405 (EU B.5)	
potassium hydroxide	Corrosive	Rabbit	Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
ethanediol	No data available			
ammonia	Irritating to respiratory tract		Method not given	
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	No data available			
potassium hydroxide	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
ethanediol	Not sensitising		Method not given	
ammonia	Not sensitising		Method not given	
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	Not sensitising		Method not given	
potassium hydroxide	Not sensitising	Guinea pig	Method not given	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
ethanediol	No data available			
ammonia	No data available			
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	No data available			

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potassium hydroxide	No data available		
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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
ethanediol	No evidence for mutagenicity, negative test results	Method not given	No data available	
ammonia	No evidence for mutagenicity		No evidence for mutagenicity	
zinc oxide	No data available		No data available	
alkyl alcohol ethoxylate	No data available		No data available	
2-diethylaminoethanol	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	Method not given
potassium hydroxide	No evidence for mutagenicity, negative test results	Method not given	No data available	

Carcinogenicity

Ingredient(s)	Effect
ethanediol	No evidence for carcinogenicity, negative test results
ammonia	No data available
zinc oxide	No data available
alkyl alcohol ethoxylate	No data available
2-diethylaminoethanol	No evidence for carcinogenicity, negative test results
potassium hydroxide	No evidence for carcinogenicity, negative test results

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
ethanediol			No data available				No evidence for reproductive toxicity
ammonia			No data available				No evidence for reproductive toxicity
zinc oxide			No data available				
alkyl alcohol ethoxylate			No data available				
2-diethylaminoethanol			No data available				No evidence for teratogenic effects
potassium hydroxide			No data available				No evidence for reproductive toxicity

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
ethanediol		No data available				
ammonia	NOAEL	68		Method not given		
zinc oxide		No data available				
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available				
potassium hydroxide		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
ethanediol		No data available				
ammonia		No data available				
zinc oxide		No data available				
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available				
potassium hydroxide		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
ethanediol		No data available				

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ammonia		No data available				
zinc oxide		No data available				
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available				
potassium hydroxide		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
ethanediol			No data available					
ammonia			No data available					
zinc oxide			No data available					
alkyl alcohol ethoxylate			No data available					
2-diethylaminoethanol			No data available					
potassium hydroxide			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
ethanediol	No data available
ammonia	No data available
zinc oxide	No data available
alkyl alcohol ethoxylate	No data available
2-diethylaminoethanol	No data available
potassium hydroxide	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
ethanediol	No data available
ammonia	No data available
zinc oxide	No data available
alkyl alcohol ethoxylate	No data available
2-diethylaminoethanol	No data available
potassium hydroxide	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)
ethanediol	LC ₅₀	18500	<i>Oncorhynchus mykiss</i>	Method not given	96
ammonia	LC ₅₀	0.56 - 2.48	<i>Fish</i>	Method not given	96
zinc oxide	LC ₅₀	1.1	<i>Oncorhynchus mykiss</i>	Method not given	96
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	LC ₅₀	> 100	<i>Fish</i>	Method	96
potassium hydroxide	LC ₅₀	80	<i>Various species</i>	Method not given	24

Aquatic short-term toxicity - crustacea

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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanediol	EC ₅₀	> 100	<i>Daphnia magna Straus</i>	Method not given	48
ammonia	EC ₅₀	1.1 - 22.8	<i>Daphnia magna Straus</i>	Method not given	-
zinc oxide		No data available			-
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	EC ₅₀	83.6	<i>Daphnia magna Straus</i>	Method not given	48
potassium hydroxide	EC ₅₀	30 - 1000	<i>Daphnia magna Straus</i>	Method not given	-

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
ethanediol	EC ₅₀	6500 - 13000	<i>Pseudokirchneriella subcapitata</i>	Method not given	96
ammonia		No data available			-
zinc oxide	EC ₅₀	0.17	<i>Desmodesmus subspicatus</i>	Method not given	72
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	EC ₅₀	30	<i>Desmodesmus subspicatus</i>	Method not given	72
potassium hydroxide		No data available			-

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
ethanediol		No data available			-
ammonia		No data available			-
zinc oxide		No data available			-
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol		No data available			-
potassium hydroxide		No data available			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
ethanediol	EC ₅₀	10000	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
ammonia		No data available			
zinc oxide		No data available			
alkyl alcohol ethoxylate		No data available			
2-diethylaminoethanol	EC ₁₀	> 1995	<i>Activated sludge</i>	Method not given	30 minute(s)
potassium hydroxide	EC ₅₀	22	<i>Photobacterium phosphoreum</i>	Method not given	15 minute(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
ethanediol	NOEC	> 100	<i>Not specified</i>	Method not given		
ammonia		No data available				
zinc oxide		No data available				
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available				
potassium hydroxide		No data available				

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Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
ethanediol	NOEC	> 100		Method not given		
ammonia		No data available				
zinc oxide	NOEC	0.4	<i>Daphnia magna</i>	Method not given	48 hour(s)	
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available				
potassium hydroxide		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
ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
alkyl alcohol ethoxylate		No data available				
2-diethylaminoethanol		No data available			-	
potassium hydroxide		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
ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
2-diethylaminoethanol		No data available			-	
potassium hydroxide		No data available			-	

Terrestrial toxicity - plants, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
2-diethylaminoethanol		No data available			-	
potassium hydroxide		No data available			-	

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
2-diethylaminoethanol		No data available			-	
potassium hydroxide		No data available			-	

Terrestrial toxicity - beneficial insects, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
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ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
2-diethylaminoethanol		No data available			-	
potassium hydroxide		No data available			-	

Terrestrial toxicity - soil bacteria, if available:

Ingredient(s)	Endpoint	Value (mg/kg dw soil)	Species	Method	Exposure time (days)	Effects observed
ethanediol		No data available			-	
ammonia		No data available			-	
zinc oxide		No data available			-	
2-diethylaminoethanol		No data available			-	
potassium hydroxide		No data available			-	

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Ingredient(s)	Half-life time	Method	Evaluation	Remark
ethanediol	No data available	Method not given	Rapidly photodegradable	

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
ethanediol			56 % in 28 day(s)	OECD 301A	Readily biodegradable
ammonia					Not applicable (inorganic substance)
zinc oxide					Not applicable (inorganic substance)
alkyl alcohol ethoxylate				OECD 301B	Readily biodegradable
2-diethylaminoethanol			90-100% in 22 day(s)	OECD 301A	Readily biodegradable
potassium hydroxide					Not applicable (inorganic substance)

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
ethanediol	-1.34	Method not given	No bioaccumulation expected	
ammonia	0.23	Method not given	No bioaccumulation expected	
zinc oxide	No data available			
alkyl alcohol ethoxylate	No data available			
2-diethylaminoethanol	0.21	Method not given	No bioaccumulation expected	
potassium hydroxide	No data available		Not relevant, does not bioaccumulate	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
ethanediol	No data available				
ammonia	No data available				
zinc oxide	No data available				
alkyl alcohol ethoxylate	No data available				
2-diethylaminoethanol	< 6.1		Method not given	No bioaccumulation expected	
potassium hydroxide	No data available				

12.4 Mobility in soil

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Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log K _{oc}	Desorption coefficient Log K _{oc} (des)	Method	Soil/sediment type	Evaluation
ethanediol	No data available				Potential for mobility in soil, soluble in water
ammonia	No data available				Low mobility in soil
zinc oxide	No data available				
alkyl alcohol ethoxylate	No data available				
2-diethylaminoethanol	1.86		Method not given		
potassium hydroxide	No data available				Low potential for adsorption to soil

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**Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

- Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

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: MS4000185**Version:** 01.0**Revision:** 2018-05-04**Full text of the R, H and EUH phrases mentioned in section 3:**

- H226 - Flammable liquid and vapour.
- H290 - May be corrosive to metals.
- H302 - Harmful if swallowed.
- H311 - Toxic in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H318 - Causes serious eye damage.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- 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.

Abbreviations and acronyms:

- DNEL - Derived No Effect Limit
- 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)
- OECD - Organization for Economic Cooperation and Development

COMPLETE

Safety Data Sheet

End of Safety Data Sheet