

## SOIL RELEASE/BONNET BUFF

Revision: 2024-10-22

Version: 01.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: SOIL RELEASE/BONNET BUFF

#### 1.2 Recommended use and restrictions on use

See product label.

For professional and industrial use only.

#### 1.3 Details of the supplier of the safety data sheet

SOLENIS VIETNAM COMPANY LIMITED

#### Contact details

Level 4&5, M-Building, Lot C7B-02A, Block A, No.9 Street 8, Zone Saigon South New Urban Area, Tan Phu Ward, District 7, Ho Chi Minh City, VIETNAM

Tel. 0314996293

#### 1.4 Emergency telephone number

In case of medical emergency, please seek professional medical advice.

### SECTION 2: Composition/information on ingredients

#### 2.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Classification	Weight percent
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	Eye irritation, Category 2A (H319)	3-10
sodium dodecyl sulphate	151-21-3	205-788-1	Flammable solids, Category 2 (H228) Acute toxicity - Oral, Category 4 (H302) Acute toxicity - Inhalation, Category 4 (H332) Specific target organ toxicity - Single exposure, Category 3 (H335) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)	1-3
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	7705-14-8	231-732-0	Flammable liquids, Category 3 (H226) Aspiration toxicity, Category 1 (H304) Skin irritation, Category 2 (H315) Skin sensitisation, Sub-category 1B (H317) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 1 M=1 (H410)	0.1-1
ammonia	1336-21-6	215-647-6	Skin corrosion, Category 1B (H314) Specific target organ toxicity - Single exposure, Category 3 (H335) Acute aquatic toxicity, Category 1 M=1 (H400) Chronic aquatic toxicity, Category 2 (H411) Serious eye damage, Category 1 (H318)	0.1-1

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

ATE, if available, are listed in section 11.

### SECTION 3: Hazards identification

#### 3.1 Classification of the substance or mixture

Eye irritation, Category 2A

Acute aquatic toxicity, Category 3

#### 3.2 Label elements



Signal word: Warning.

**SOIL RELEASE/BONNET BUFF****Hazard statements:**

H319 - Causes serious eye irritation.

H402 - Harmful to aquatic life.

**3.3 Other hazards**

No other hazards known. Exposure and appropriate engineering controls are specified in subsection 8.2 exposure controls.

**3.4 Classification diluted product**

Recommended maximum concentration (% w/w): 12.5

Not classified as hazardous

**SECTION 4: First aid measures****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>	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. 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>	Causes severe irritation.
<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.

**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).

**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.

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**Advice 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 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)
ammonia	17 mg/m <sup>3</sup>	25 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:*

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

**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 16321 / 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.

*Recommended safety measures for handling the diluted product:*

**Recommended maximum concentration (% w/w):** 12.5

**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:** Clear, from Colourless to Yellow

**Odour:** Slightly perfumed

**Odour threshold:** Not applicable

**pH:** ≈ 9 (neat)

**Method / remark**

ISO 4316

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**Melting point/freezing point (°C):** Not determined  
**Initial boiling point and boiling range (°C):** Not determined

Not relevant to classification of this product

**Flammability (liquid):** Not flammable.  
**Flash point (°C):** ≈ 93.4 °C  
**Sustained combustion:** Not applicable.  
 ( UN Manual of Tests and Criteria, section 32, L.2 )

**Evaporation rate:** Not determined  
**Flammability (solid, gas):** Not applicable to liquids  
**Lower and upper explosion limit/flammability limit (%):** Not determined  
**Vapour pressure:** Not determined  
**Relative density:** ≈ 1.00 (20 °C)  
**Relative vapour density:** Not determined.  
**Particle characteristics:** No data available.  
**Solubility in / Miscibility with water:** Fully miscible  
**Partition coefficient: n-octanol/water** No information available.

Not relevant to classification of this product

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

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

**Autoignition temperature:** Not determined  
**Decomposition temperature:** Not applicable.  
**Kinematic 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

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): >5000  
 ATE - Inhalatory, mists (mg/l): >5

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)
2-(2-butoxyethoxy)ethanol	LD <sub>50</sub>	2410	Rat	Method not given	

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sodium dodecyl sulphate	LD <sub>50</sub>	1200	Rat	Method not given	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available			
ammonia	LD <sub>50</sub>	350	Rat	Method not given	

## Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
2-(2-butoxyethoxy)ethanol	LD <sub>50</sub>	2764	Rabbit	Method not given	
sodium dodecyl sulphate	LD <sub>50</sub>	> 2000	Rat	Method not given	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available			
ammonia		No data available			

## Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-(2-butoxyethoxy)ethanol		No data available			
sodium dodecyl sulphate		No data available			
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available			
ammonia	LC <sub>50</sub>	7.035	Rat	Method not given	0.5

## Irritation and corrosivity

## Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
2-(2-butoxyethoxy)ethanol	Not irritant	Rabbit	Method not given	
sodium dodecyl sulphate	Irritant	Rabbit	OECD 404 (EU B.4)	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available			
ammonia	Corrosive		Method not given	

## Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
2-(2-butoxyethoxy)ethanol	Irritant	Rabbit	Method not given	
sodium dodecyl sulphate	Severe damage	Rabbit	OECD 405 (EU B.5)	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available			
ammonia	Severe damage		Method not given	

## Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
2-(2-butoxyethoxy)ethanol	No data available			
sodium dodecyl sulphate	No data available			
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available			
ammonia	Irritating to respiratory tract		Method not given	

## Sensitisation

## Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
2-(2-butoxyethoxy)ethanol	Not sensitising	Guinea pig	Method not given	
sodium dodecyl sulphate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available			
ammonia	Not sensitising		Method not given	

## Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
2-(2-butoxyethoxy)ethanol	No data available			
sodium dodecyl sulphate	No data available			
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available			
ammonia	No data available			

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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## Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
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 dodecyl sulphate	No evidence for mutagenicity, negative test results	OECD 471 (EU B.12/13)	No evidence for mutagenicity, negative test results	OECD 475 (EU B.11)
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available		No data available	
ammonia	No evidence for mutagenicity		No evidence for mutagenicity	

## Carcinogenicity

Ingredient(s)	Effect
2-(2-butoxyethoxy)ethanol	No data available
sodium dodecyl sulphate	No evidence for carcinogenicity, negative test results
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-	No data available
ammonia	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
2-(2-butoxyethoxy)ethanol			No data available				No evidence for developmental toxicity No evidence for reproductive toxicity
sodium dodecyl sulphate	NOAEL	Teratogenic effects	250	Rat	OECD 414 (EU B.31), oral		
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-			No data available				
ammonia			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
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecyl sulphate	NOAEL	488		OECD 408 (EU B.26)	90	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available				
ammonia	NOAEL	68		Method not given		

## Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecyl sulphate		No data available				
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available				
ammonia		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
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecyl sulphate		No data available				
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available				
ammonia		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
2-(2-butoxyethoxy)ethanol			No data available					
sodium dodecyl			No data					

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sulphate			available					
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-			No data available					
ammonia			No data available					

## STOT-single exposure

Ingredient(s)	Affected organ(s)
2-(2-butoxyethoxy)ethanol	No data available
sodium dodecyl sulphate	No data available
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	No data available
ammonia	No data available

## STOT-repeated exposure

Ingredient(s)	Affected organ(s)
2-(2-butoxyethoxy)ethanol	No data available
sodium dodecyl sulphate	No data available
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	No data available
ammonia	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)
2-(2-butoxyethoxy)ethanol	LC <sub>50</sub>	> 100	Fish	Method not given	
sodium dodecyl sulphate	LC <sub>50</sub>	29	<i>Pimephales promelas</i>	OECD 203, flow-through	96
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-		No data available			
ammonia	LC <sub>50</sub>	0.56 - 2.48	Fish	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-(2-butoxyethoxy)ethanol	EC <sub>50</sub>	> 100	<i>Daphnia magna Straus</i>	DIN 38412, Part 11	48
sodium dodecyl sulphate	LC <sub>50</sub>	5.5	<i>Ceriodaphnia dubia</i>	OECD 202, flow-through	48
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-		No data available			
ammonia	EC <sub>50</sub>	1.1 - 22.8	<i>Daphnia magna Straus</i>	Method not given	

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
2-(2-butoxyethoxy)ethanol	EC <sub>50</sub>	> 100	<i>Desmodesmus subspicatus</i>	Method not given	
sodium dodecyl sulphate	E <sub>r</sub> C <sub>50</sub>	> 120	<i>Desmodesmus subspicatus</i>	DIN 38412, Part 9	72
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-		No data available			
ammonia		No data available			

Aquatic short-term toxicity - marine species

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Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
2-(2-butoxyethoxy)ethanol		No data available			
sodium dodecyl sulphate	LC <sub>50</sub>	4.1	<i>Cypridon variegatus</i>		3
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available			
ammonia		No data available			

## Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
2-(2-butoxyethoxy)ethanol	EC <sub>10</sub>	1170	<i>Pseudomonas putida</i>	Method not given	16 hour(s)
sodium dodecyl sulphate	EC <sub>50</sub>	135	<i>Bacteria</i>	Method not given	3 hour(s)
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available			
ammonia		No data available			

## Aquatic long-term toxicity

## Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecyl sulphate	NOEC	> 1.357	<i>Not specified</i>	Method not given	42 day(s)	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available				
ammonia		No data available				

## Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
2-(2-butoxyethoxy)ethanol		No data available				
sodium dodecyl sulphate	NOEC	0.88	<i>Daphnia sp.</i>	US-EPA 1994	7 day(s)	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+.-)-		No data available				
ammonia		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

## Terrestrial toxicity

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

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if 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
2-(2-butoxyethoxy)ethanol	Activated sludge,	COD removal	95% in 28 day(s)	OECD 301C	Readily biodegradable

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	aerobe				
sodium dodecyl sulphate	Activated sludge, aerobe	CO <sub>2</sub> production	95% in 28 day(s)	OECD 301B	Readily biodegradable
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-					No data available
ammonia					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
2-(2-butoxyethoxy)ethanol	0.56	Method not given	No bioaccumulation expected	
sodium dodecyl sulphate	≤ 2.03	Method not given	Low potential for bioaccumulation	
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	No data available			
ammonia	0.23	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
2-(2-butoxyethoxy)ethanol	1.4		QSAR	Low potential for bioaccumulation	
sodium dodecyl sulphate	No data available				
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	No data available				
ammonia	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
2-(2-butoxyethoxy)ethanol	No data available				Potential for mobility in soil, soluble in water
sodium dodecyl sulphate	No data available				Potential for mobility in soil, soluble in water
Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (+-)-	No data available				
ammonia	No data available				Low mobility in 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**

- Decree 108/2008/NP-CP Circular No.: 04/2012/TT-BCT Regulations on the Classification and Labeling of Chemicals

**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:** MS4800080**Version:** 01.0**Revision:** 2024-10-22**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 - Organisation for Economic Cooperation and Development
- H226 - Flammable liquid and vapour.
- H228 - Flammable solid.
- H302 - Harmful if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H332 - Harmful 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.
- H412 - Harmful to aquatic life with long lasting effects.

**End of Safety Data Sheet**