



Safety Data Sheet

Fleet clean super exterior

Revision: 2020-08-06

Version: 01.0

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

1.1 Product identifier

Trade name: Fleet clean super exterior

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 Gulf FZE

Contact details

Street N302, Plot No. 0528, Jebel Ali Free Zone, Dubai, UAE
Tel. +971 4881 9470 Fax +971 4 8819488

1.4 Emergency telephone number

+971 4881 9470

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Serious eye damage, Category 1
Carcinogenicity, Category 2
Skin irritation, Category 2
Corrosive to metals, Category 1

2.2 Label elements



Signal word: Danger.

Hazard statements:

H351 - Suspected of causing cancer.
H315 - Causes skin irritation.
H318 - Causes serious eye damage.
H290 - May be corrosive to metals.

Precautionary statements:

P280 - Wear protective gloves, protective clothing and eye or face protection.
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.

2.3 Other hazards

No other hazards known.

2.4 Classification diluted product:

Recommended maximum concentration (%): 10

Not classified as hazardous

SECTION 3: Composition/information on ingredients

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3.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Classification	Weight percent
trisodium nitrilotriacetate	5064-31-3	225-768-6	Carc. 2 (H351) Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Met. Corr. 1 (H290)	10-20
alkyl alcohol ethoxylate	64425-86-1	[4]	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400)	3-10
betaines, C12-C14 (even numbered)-Alkyldimethyl	-	931-700-2	Skin Corr. 1B (H314) Aquatic Chronic 3 (H412)	1-3
sodium hydroxide	1310-73-2	215-185-5	Skin Corr. 1A (H314) Met. Corr. 1 (H290)	1-3

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

Ingredient(s)

NTA (nitrilotriacetic acid) and salts thereof
non-ionic surfactants, amphoteric surfactants

5 - 15 %
< 5 %

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

IF exposed or concerned: Get medical advice or attention.

Inhalation:

Get medical attention or advice if you feel unwell.

Skin contact:

Take off immediately all contaminated clothing and wash it before reuse.

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.

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

Suspected of causing cancer.

Skin contact:

Causes irritation. Suspected of causing cancer.

Eye contact:

Causes severe or permanent damage.

Ingestion:

Suspected of causing cancer.

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**

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

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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. Wash contaminated clothing before reuse. Store used personal protective equipment separately. Use personal protective equipment as required. 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)
sodium 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: 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: ≥ 480 min Material thickness: ≥ 0.7 mm

Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min Material thickness: ≥ 0.4 mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

Body protection: 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: Should not reach sewage water or drainage ditch undiluted or unneutralised.

Recommended safety measures for handling the diluted product:

Recommended maximum concentration (%): 10

Appropriate engineering controls: Use only in well ventilated areas.

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

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

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

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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, Pale, from Colourless to Yellow	
Odour: Product specific	
Odour threshold: Not applicable	
pH > 12 (neat)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	

Flammability (liquid): Not flammable.
Flash point (°C): Not applicable.
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
Relative density: ≈ 1.10 (20 °C)	OECD 109 (EU A.3)
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: Not determined
Explosive properties: Not explosive.
Oxidising properties: Not oxidising

9.2 Other information

Surface tension (N/m): Not determined	
Corrosion to metals: Corrosive	Weight of evidence

SECTION 10: Stability and reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid

None known under normal storage and use conditions.

10.5 Incompatible materials

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:.

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Relevant calculated ATE(s):

ATE - Oral (mg/kg): >2000

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)
trisodium nitrilotriacetate	LD ₅₀	1740	Rat	OECD 401 (EU B.1)	
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	LD ₅₀	3202.5	Rat	Method not given	
sodium hydroxide		No data available			

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
trisodium nitrilotriacetate	LD ₅₀	> 10000	Rat	Non guideline test	
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	LD ₅₀	> 620	Rat	Method not given	
sodium hydroxide	LD ₅₀	1350	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
trisodium nitrilotriacetate	LC ₅₀	> 5	Rat	Method not given	4
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			
sodium hydroxide		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
trisodium nitrilotriacetate	Not irritant	Rabbit	Method not given	
alkyl alcohol ethoxylate	No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	Irritant	Rabbit	OECD 404 (EU B.4)	
sodium hydroxide	Corrosive	Rabbit	Method not given	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
trisodium nitrilotriacetate	Irritant	Rabbit	Method not given	
alkyl alcohol ethoxylate	No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	Severe damage	Rabbit	OECD 405 (EU B.5)	
sodium hydroxide	Corrosive	Rabbit	Method not given	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
trisodium nitrilotriacetate	No data available			
alkyl alcohol ethoxylate	No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	Irritating to respiratory tract		Method not given	
sodium hydroxide	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
trisodium nitrilotriacetate	Not sensitising	Guinea pig	OECD 406 (EU B.6) / Buehler test	
alkyl alcohol ethoxylate	No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
sodium hydroxide	Not sensitising		Human repeated patch	

			test	
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Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
trisodium nitrilotriacetate	No data available			
alkyl alcohol ethoxylate	No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available			
sodium hydroxide	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)
trisodium nitrilotriacetate	No evidence for mutagenicity, negative test results		No evidence for mutagenicity, negative test results	
alkyl alcohol ethoxylate	No data available		No data available	
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	
sodium hydroxide	No evidence for mutagenicity, negative test results	DNA repair test on rat hepatocytes OECD 473	No evidence for mutagenicity, negative test results	OECD 474 (EU B.12) OECD 475 (EU B.11)

Carcinogenicity

Ingredient(s)	Effect
trisodium nitrilotriacetate	Limited evidence of a carcinogenic effect.
alkyl alcohol ethoxylate	No data available
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
sodium hydroxide	No evidence for carcinogenicity, weight-of-evidence

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
trisodium nitrilotriacetate	NOEL	Developmental toxicity	90	Rat	OECD 416, (EU B.35), oral		No evidence for reproductive toxicity
alkyl alcohol ethoxylate			No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl	NOAEL	Developmental toxicity	150	Rat	OECD 422, oral		
sodium hydroxide			No data available				No evidence for developmental toxicity 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
trisodium nitrilotriacetate		No data available				
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl	NOAEL	145	Rat	OECD 408 (EU B.26)	90	
sodium 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
trisodium nitrilotriacetate		No data available				
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
sodium hydroxide		No data available				

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Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
trisodium nitrilotriacetate		No data available				
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
sodium 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
trisodium nitrilotriacetate		NOAEL	0.231	Rat	Non guideline test			
alkyl alcohol ethoxylate			No data available					
betaines, C12-C14 (even numbered)-Alkyldimethyl			No data available					
sodium hydroxide			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
trisodium nitrilotriacetate	No data available
alkyl alcohol ethoxylate	No data available
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
sodium hydroxide	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
trisodium nitrilotriacetate	No data available
alkyl alcohol ethoxylate	No data available
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available
sodium 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)
trisodium nitrilotriacetate	LC ₅₀	> 100	<i>Pimephales promelas</i>	APHA 1995	-
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	LC ₅₀	4.44	<i>Fish</i>	OECD 203, static	96
sodium hydroxide	LC ₅₀	35	<i>Various species</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
trisodium nitrilotriacetate	EC ₅₀	98	<i>Not specified</i>	Method not given	96
alkyl alcohol ethoxylate		No data available			

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betaines, C12-C14 (even numbered)-Alkyldimethyl	IC ₅₀	5.3 - 9.8	<i>Daphnia</i>	OECD 202, static	48
sodium hydroxide	EC ₅₀	40.4	<i>Ceriodaphnia</i> <i>sp.</i>	Method not given	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
trisodium nitrilotriacetate	E _r C ₅₀	91.5	<i>Pseudokirchneriella subcapitata</i>	OECD 201 (EU C.3)	72
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	EC ₅₀	1.7	<i>Not specified</i>	OECD 201, static	72
sodium hydroxide	EC ₅₀	22	<i>Photobacterium phosphoreum</i>	Method not given	0.25

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
trisodium nitrilotriacetate		No data available			-
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-
sodium hydroxide		No data available			-

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
trisodium nitrilotriacetate	EC ₅₀	3200 - 5600	<i>Pseudomonas putida</i>	Method not given	8 hour(s)
alkyl alcohol ethoxylate		No data available			
betaines, C12-C14 (even numbered)-Alkyldimethyl	EC ₅₀	> 2000	<i>Bacteria</i>	DIN 38412 / Part 8	16 hour(s)
sodium hydroxide		No data available			

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
trisodium nitrilotriacetate		No data available				
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
sodium hydroxide		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
trisodium nitrilotriacetate		No data available				
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available				
sodium 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
trisodium nitrilotriacetate		No data available			-	
alkyl alcohol ethoxylate		No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
sodium hydroxide		No data available			-	

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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
trisodium nitrilotriacetate		No data available			-	
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
sodium hydroxide		No data available			-	

Terrestrial toxicity - plants, if available:

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

Terrestrial toxicity - birds, if available:

Ingredient(s)	Endpoint	Value	Species	Method	Exposure time (days)	Effects observed
trisodium nitrilotriacetate		No data available			-	
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
sodium 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
trisodium nitrilotriacetate		No data available			-	
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
sodium 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
trisodium nitrilotriacetate		No data available			-	
betaines, C12-C14 (even numbered)-Alkyldimethyl		No data available			-	
sodium 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
sodium hydroxide	13 second(s)	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
trisodium nitrilotriacetate		BOD removal	90 - 100 % in 28 day(s)	OECD 301B	Readily biodegradable
alkyl alcohol ethoxylate				OECD 301B	Readily biodegradable
betaines, C12-C14 (even numbered)-Alkyldimethyl		CO ₂ production	63 - 79 % in 28	OECD 301B	Readily biodegradable

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			day(s)		
sodium 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
trisodium nitrilotriacetate	-13.2	Method not given	No bioaccumulation expected	
alkyl alcohol ethoxylate	-		No bioaccumulation expected	
betaines, C12-C14 (even numbered)-Alkyldimethyl	-0.4	Method not given	Low potential for bioaccumulation	
sodium hydroxide	No data available		Not relevant, does not bioaccumulate	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
trisodium nitrilotriacetate	< 3		Method not given	No bioaccumulation expected	
alkyl alcohol ethoxylate	No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available				
sodium hydroxide	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
trisodium nitrilotriacetate	No data available				Adsorption to solid soil phase is not expected
alkyl alcohol ethoxylate	No data available				
betaines, C12-C14 (even numbered)-Alkyldimethyl	No data available				
sodium hydroxide	No data available				Mobile in soil

12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

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:

Suitable cleaning agents:

Dispose of observing national or local regulations.

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: 1760

14.2 UN proper shipping name:

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Corrosive liquid, n.o.s. (sodium hydroxide , trisodium nitrilotriacetate)

Corrosive liquid, n.o.s. (sodium hydroxide , trisodium nitrilotriacetate)

14.3 Transport hazard class(es):

Transport hazard class (and subsidiary risks): 8

14.4 Packing group: III**14.5 Environmental hazards:**

Environmentally hazardous: No

Marine pollutant: No

14.6 Special precautions for user: None known.

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

Other relevant information:

IMO/IMDG

EmS: F-A, S-B

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****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: MS1200431

Version: 01.0

Revision: 2020-08-06

Full text of the H phrases mentioned in section 3:

- H290 - May be corrosive to metals.
- H302 - Harmful if swallowed.
- H314 - Causes severe skin burns and eye damage.
- H318 - Causes serious eye damage.
- H319 - Causes serious eye irritation.
- H351 - Suspected of causing cancer.
- H400 - Very toxic to aquatic life.
- H402 - Harmful to aquatic life.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms

- DNEL - Derived No Effect Limit
- PNEC - Predicted No Effect Concentration
- ATE - Acute Toxicity Estimate
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LD50 - Lethal Dose, 50% / Median Lethal dose
- STOT-RE - Specific target organ toxicity (repeated exposure)
- EC50 - effective concentration, 50%
- NOEL - No observed effect level
- STOT-SE - Specific target organ toxicity (single exposure)
- EC No. - European Community Number
- NOAEL - No observed adverse effect level
- OECD - Organization for Economic Cooperation and Development

End of Safety Data Sheet