Werner & Mertz Professional

TANEX POWER 10X750 ML D/F/I/NL

WM 0712746 **Order number: 0712746**

Version 7.0 Revision Date 20.09.2018 Print Date 31.07.2019

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

1.1 Product identifier

Trade name	:	TANEX POWER 10X750 ML D/F/I/NL
Identification number	:	61275, 64697

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture	:	Cleaning agent
		Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company	:	tana Chemie GmbH Rheinallee 96 55120 Mainz
Telephone	:	+49613196403
Telefax	:	+4961319642414
E-mail address	:	Produktsicherheit@werner-mertz.com
Responsible/issuing person		
Contact person	:	Product development / product safety

1.4 Emergency telephone number

+49(0)6131-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word	:	Warning	
Hazard statements	:	H315	Causes skin irritation.
		H319	Causes serious eye irritation.
Precautionary statements	:	P102	Keep out of reach of children.

Prevention:

P260	Do not breathe spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.

Disposal:

P501	Dispose of contents/ container to an approved waste disposal plant.

Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
1-butoxypropan-2-ol	5131-66-8 225-878-4 01-2119475527-28	Eye Dam. 2; H319 Skin Irrit. 2; H315 SCL > 20 % 2; H319 > 20 % 2; H315	>= 2 - < 5
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37	Eye Dam. 2; H319	>= 2 - < 5

2-aminoethanol	141-43-5 205-483-3 01-2119486455-28	Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 STOT SE 3; H335 Aquatic Chronic 3; H412 SCL >= 5 % 3; H335	>= 1 - < 2
Alcohols, C9 – C11 –iso-, C10 –rich, ethoxylated	78330-20-8	Eye Dam. 1; H318	>= 1 - < 2
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60		>= 2 - < 5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Protect unharmed eye.
If easy to do, remove contact lens, if worn.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Irritation

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Neutralise with acid.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., Treat recovered material as described in the section "Disposal considerations"., Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Store in original container. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.
Other data	:	No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s)	:	Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3	2009-12-19	2000/39/EC
Further information	: skin: Identifies the possibility of significant uptake through the skinIndicative				
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3		
Further information	: H: Dermal absorption possible				
(2-methoxymethylethoxy)propanol	34590-94-8		100 ppm		
Further information	: H: Dermal absorption possible				

(2-methoxymethylethoxy)propanol	34590-94-8	STEL	150 ppm		
Further information	: H: Dermal absorption possible				
(2-methoxymethylethoxy)propanol	34590-94-8		100 ppm		
Further information	: REL: Recommended exposure limit				
(2-methoxymethylethoxy)propanol	34590-94-8	STEL	150 ppm 900 mg/m3		
(2-methoxymethylethoxy)propanol	34590-94-8	STEL	50 ppm 310 mg/m3		
2-aminoethanol	141-43-5	TWA	1 ppm 2,5 mg/m3	2009-12-19	2006/15/EC
Further information	: skin: Identifies the possibility of significant uptake through the skinIndicative				
2-aminoethanol	141-43-5	STEL	3 ppm 7,6 mg/m3	2009-12-19	2006/15/EC
Further information	: skin: Identifies the possibility of significant uptake through the skinIndicative				

DNEL

1-butoxypropan-2-ol 5131-66-8:

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 147 mg/m3

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 52 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 43 mg/m3

End Use: Consumers
Exposure routes: Dermal
Potential health effects: Long-term systemic effects
Value: 22 mg/kg

End Use: Consumers
Exposure routes: Ingestion

		Potential health effects: Long-term systemic effects Value: 12,5 mg/kg
sodium p-cumenesulphonate 15763-76-5:	:	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 7,6 mg/kg End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 53,6 mg/m3 End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 3,8 mg/kg End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 13,2 mg/m3 End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 3,8 mg/kg
2-aminoethanol 141-43-5:	:	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 1 mg/kg End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 3,3 mg/m3 End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 0,24 mg/kg End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 3,75 mg/kg End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 2 mg/m3 End Use: Consumers Exposure routes: Inhalation

		Potential health effects: Long-term local effects Value: 2 mg/m3
(2-methoxymethylethoxy)propanol **34590-94-8:**	:	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 65 mg/kg End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 310 mg/m3 End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 15 mg/kg End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 1,67 mg/kg End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 37,2 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 308 mg/m3 End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 283 mg/kg End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 121 mg/kg End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 36 mg/kg

PNEC

1-butoxypropan-2-ol **5131-66-8:**	:	Fresh water Value: 0,525 mg/l Marine water

		Value: 0,0525 mg/l Fresh water sediment Value: 2,36 mg/kg Marine sediment Value: 0,236 mg/kg Soil Value: 0,16 mg/kg STP Value: 10 mg/l intermittent release Value: 5,25 mg/l
sodium p-cumenesulphonate 15763-76-5:	:	Fresh water Value: 0,23 mg/l STP Value: 100 mg/l intermittent release Value: 2,3 mg/l
2-aminoethanol 141-43-5:	:	Fresh water Value: 0,085 mg/l Marine water Value: 0,0085 mg/l STP Value: 100 mg/l intermittent release Value: 0,028 mg/l Fresh water sediment Value: 0,434 mg/kg Marine sediment Value: 0,0434 mg/kg Soil Value: 1,29 mg/kg
(2-methoxymethylethoxy)propanol 34590-94-8:	:	Fresh water Value: 19 mg/l Marine water Value: 1,9 mg/l Fresh water sediment

Value: 70,2 mg/kg

Marine sediment
Value: 7,02 mg/kg

Soil
Value: 2,74 mg/kg

Water
Value: 190 mg/l

STP
Value: 4168 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : If splashes are likely to occur, wear:
Tightly fitting safety goggles

Hand protection

Material : For prolonged or repeated contact use protective gloves.
It is suggested the usage of chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374-1: 2003 (0,4 mm).
As alternative, a different type of gloves might be used if, accordingly to the recommendations of the producer, guarantee the same level of protection.

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin and body protection : not required under normal use

Respiratory protection : Not required; except in case of aerosol formation.
Recommended Filter type:
ABEK-P3-filter

Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour	:	greenish-blue
Odour	:	characteristic
Odour Threshold	:	No data available
pH	:	ca. 11,3
Melting point/range	:	No data available
Boiling point/boiling range	:	No information available.
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Burning rate	:	No data available
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	ca. 1,012 g/cm3
Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions., No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	:	Stable under recommended storage conditions., No decomposition if used as directed.

10.4 Conditions to avoid

Conditions to avoid	:	No data available

10.5 Incompatible materials

Materials to avoid	:	No data available

10.6 Hazardous decomposition products

Hazardous decomposition products	:	No hazardous decomposition products are known.
Other information	:	No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity	:	Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate : > 20 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Skin corrosion/irritation	:	May cause skin irritation and/or dermatitis.
Serious eye damage/eye irritation	:	Vapours may cause irritation to the eyes, respiratory system and the skin.
Respiratory or skin sensitisation	:	No data available
Germ cell mutagenicity	:	Not Rated
Carcinogenicity	:	Not Rated
Reproductive toxicity	:	Not Rated
STOT - single exposure	:	The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure	:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity	:	Not Rated
Further information	:	No data available

Components:

1-butoxypropan-2-ol
5131-66-8:

Acute oral toxicity	:	LD50 Oral Rat, male and female: 3.300 mg/kg Method: see user defined free text LD50 Rat: > 2.000 mg/kg
Acute inhalation toxicity	:	LC50 Rat: 651 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 Dermal Rabbit: > 2.000 mg/kg Method: OECD Test Guideline 402

sodium p-cumenesulphonate
15763-76-5:

Acute oral toxicity	:	LD50 Oral Rat: > 2.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 Rat: 5 mg/l Exposure time: 232 min
Acute dermal toxicity	:	LD50 Dermal Rabbit: > 2.000 mg/kg
Skin corrosion/irritation	:	Species: Rabbit Result: Mild skin irritation Method: OECD Test Guideline 404 Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	:	Species: Rabbit Result: Moderate eye irritation Method: OECD Test Guideline 405 Causes serious eye irritation.
Respiratory or skin sensitisation	:	Test Method: Buehler Test Species: Guinea pig Result: Did not cause sensitisation on laboratory animals.

Method: OECD Test Guideline 406

Germ cell mutagenicity

Genotoxicity in vitro	:	Result: negative
Genotoxicity in vivo	:	Result: negative
Carcinogenicity - Assessment	:	Animal testing did not show any carcinogenic effects.
Teratogenicity	:	Species: Rat Application Route: Oral 3.000 mg/kg 3.000 mg/kg
Repeated dose toxicity	:	Rat: NOAEL: 763 mg/kg Application Route: Oral Target Organs: Cardio-vascular system Mouse: NOAEL: 440 mg/kg LOAEL: 1.300 mg/kg Application Route: Dermal Method: OECD Test Guideline 411 Target Organs: Skin

2-aminoethanol
141-43-5:

Acute oral toxicity	:	LD50 Oral Rat: 1.515 mg/kg Method: OECD Test Guideline 401 Acute toxicity estimate : 500 mg/kg Method: Converted acute toxicity point estimate LD50 Rat: 1.089 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50 Rat: 1,3 mg/l Exposure time: 6 h Harmful by inhalation. LC50 Rat: 1,487 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 Dermal Rabbit: 2.504 mg/kg Method: OECD Test Guideline 402 Acute toxicity estimate : 1.100 mg/kg

		Method: Converted acute toxicity point estimate
		LD50 Rabbit: 1.000 mg/kg
Skin corrosion/irritation	:	Species: Rabbit Result: Corrosive Method: OECD Test Guideline 404
Serious eye damage/eye irritation	:	Species: Rabbit Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405
Respiratory or skin sensitisation	:	Test Method: Maximisation Test Species: Guinea pig Result: Did not cause sensitisation on laboratory animals. Method: OECD Test Guideline 406

Alcohols, C9 – C11 –iso-, C10 –rich, ethoxylated 78330-20-8:

Acute oral toxicity	:	LD50 Oral Rat: > 2.000 - 5.000 mg/kg
Acute dermal toxicity	:	LD50 Dermal Rat: > 2.000 mg/kg Method: OECD Test Guideline 402

(2-methoxymethylethoxy)propanol 34590-94-8:

Acute oral toxicity	:	LD50 Dog: 7.500 mg/kg
		LD50 Rat: 5.130 mg/kg
		LD50 Rat: 5.135 mg/kg
Acute inhalation toxicity	:	LC50 Rat: 55 - 60 mg/l Exposure time: 4 h
		LC50 Rat: 3,35 mg/l Exposure time: 7 h
Acute dermal toxicity	:	LD50 Dermal Rabbit: 19.000 mg/kg
		LD50 Dermal Rat: 9.500 mg/kg
		LD50 Rabbit: 9.510 mg/kg

		LD50 Rabbit: 14.000 mg/kg
Skin corrosion/irritation	:	No skin irritation
Serious eye damage/eye irritation	:	Result: No eye irritation
Respiratory or skin sensitisation	:	Result: Does not cause skin sensitisation.

SECTION 12: Ecological information

12.1 Toxicity

Components:

1-butoxypropan-2-ol
5131-66-8:

Toxicity to fish	:	LC50 (Poecilia reticulata (guppy)): 560 - 1.000 mg/l Exposure time: 96 h NOEC (Poecilia reticulata (guppy)): 180 mg/l Exposure time: 96 h LC50 (Fish): 1.000 mg/l Exposure time: 96 h LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 1.000 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 NOEC (Daphnia magna (Water flea)): 560 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (microalgae)): > 1.000 mg/l Exposure time: 96 h Test Type: Cell multiplication inhibition test NOEC (Selenastrum capricornutum): 560 mg/l Exposure time: 96 h
Toxicity to bacteria	:	EC50 (Bacteria): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

sodium p-cumenesulphonate
15763-76-5:

Toxicity to fish	:	LC50 (Cyprinus carpio (Carp)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203

		LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae	:	EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l Exposure time: 96 h Test Type: static test
Toxicity to bacteria	:	EC10 (activated sludge): > 1.000 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209

2-aminoethanol
141-43-5:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): 150 mg/l Exposure time: 96 h LC50 (Lepomis macrochirus (Bluegill sunfish)): 329 mg/l Exposure time: 96 h LC50 (Cyprinus carpio (Carp)): 349 mg/l Exposure time: 96 h Test Type: semi-static test Method: OECD Test Guideline 203 LC50 (Carassius auratus (goldfish)): 170 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 27,04 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 NOEC (Daphnia magna (Water flea)): 0,85 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Toxicity to algae	:	EC50 (Selenastrum capricornutum): 2,8 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 EC50 (Scenedesmus subspicatus): 22 mg/l

		Exposure time: 72 h Test Type: Growth inhibition NOEC (Selenastrum capricornutum): 1 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201
Toxicity to bacteria	:	EC20 (activated sludge): > 1.000 mg/l Exposure time: 0,5 h Method: OECD Test Guideline 209 EC50 (Pseudomonas putida): 110 mg/l Exposure time: 16 h Method: DIN 38412 EC50 (activated sludge): > 1.000 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to fish (Chronic toxicity)	:	NOEC: 1,2 mg/l Exposure time: 30 d Species: Oryzias latipes (Orange-red killifish)
Toxicity to soil dwelling organisms	:	EC50: 4.033 mg/kg Exposure time: 63 d Species: Eisenia fetida (earthworms)

Alcohols, C9 – C11 –iso-, C10 –rich, ethoxylated 78330-20-8:

Toxicity to fish	:	(Oncorhynchus mykiss (rainbow trout)): 10 - 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 10 - 100 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 : > 10 - 100 mg/l Exposure time: 72 h
Toxicity to bacteria	:	EC10 (activated sludge): > 2.000 mg/l

(2-methoxymethylethoxy)propanol 34590-94-8:

Toxicity to fish	:	(Pimephales promelas (fathead minnow)): > 10.000 mg/l Exposure time: 96 h Test Type: static test (Poecilia reticulata (guppy)): > 1.000 mg/l Exposure time: 96 h Test Type: static test
Toxicity to daphnia and other	:	EC50 (Daphnia magna (Water flea)): 1.919 mg/l

aquatic invertebrates		Exposure time: 48 h Test Type: static test EC50 (Crangon crangon (shrimp)): > 1.000 mg/l Exposure time: 96 h Test Type: semi-static test NOEC (Daphnia magna (Water flea)): > 0,5 mg/l Exposure time: 22 d
Toxicity to algae	:	(Pseudokirchneriella subcapitata (microalgae)): > 969 mg/l Exposure time: 96 h Method: OECD Test Guideline 201 (Selenastrum capricornutum): 1.000 mg/l Exposure time: 72 h EC50 (Skeletonema costatum (marine diatom)): 6.999 mg/l Exposure time: 72 h
Toxicity to bacteria	:	EC10 (Pseudomonas putida): 4.168 mg/l Exposure time: 18 h Test Type: Growth inhibition EC50 (No data available): > 100 mg/l
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 12 mg/l Species: Daphnia magna (Water flea) NOEC: > 0,5 mg/l Exposure time: 22 d Species: Daphnia magna (Water flea) Lowest Observed Effect Concentration: > 0,5 mg/l Exposure time: 22 d Species: Daphnia magna (Water flea)

12.2 Persistence and degradability

Product:

Biodegradability	:	Remarks: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Components:

1-butoxypropan-2-ol
5131-66-8:

Biodegradability	:	Biodegradation: 90 % Exposure time: 28 d Method: OECD 301 E Remarks: Readily biodegradable, according to appropriate OECD test.

sodium p-cumenesulphonate
15763-76-5:

Biodegradability	:	Test Type: aerobic Result: Readily biodegradable. Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 B

2-aminoethanol
141-43-5:

Biodegradability	:	Test Type: aerobic Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: > 90 % Exposure time: 21 d Method: OECD 301 A
Biochemical Oxygen Demand (BOD)	:	800 mg/g Incubation time: 5 d
ThOD	:	1,31 g/g

Alcohols, C9 – C11 –iso-, C10 –rich, ethoxylated
78330-20-8:

Biodegradability	:	Result: rapidly biodegradable Biodegradation: > 60 % Exposure time: 28 d Method: OECD 301 B

(2-methoxymethylethoxy)propanol
34590-94-8:

Biodegradability	:	Result: Readily biodegradable. Biodegradation: > 70 % Exposure time: 28 d Method: OECD 301 E Biodegradation: 75 % Exposure time: 28 d Method: OECD 301 F Biodegradation: 93 % Exposure time: 13 d Method: OECD 302 B

12.3 Bioaccumulative potential

Components:

1-butoxypropan-2-ol
5131-66-8:

Bioaccumulation	:	Bioconcentration factor (BCF): < 100 Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water	:	log Pow: 3,2

sodium p-cumenesulphonate
15763-76-5:

Bioaccumulation	:	Remarks: Bioaccumulation is unlikely.

2-aminoethanol
141-43-5:

Bioaccumulation	:	Bioconcentration factor (BCF): 1 Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Partition coefficient: n-octanol/water	:	log Pow: -1,91 (25 °C) Method: OECD Test Guideline 107 log Pow: -2,3 (25 °C) pH: 6,8 - 7,3 Method: OECD Test Guideline 107

(2-methoxymethylethoxy)propanol
34590-94-8:

Bioaccumulation	:	Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Partition coefficient: n-octanol/water	:	log Pow: 1,01

12.4 Mobility in soil

Components:

sodium p-cumenesulphonate
15763-76-5:

Stability in soil	:	Remarks: Not expected to adsorb on soil.

2-aminoethanol
141-43-5:

Distribution among environmental compartments	:	Medium:Soil Koc: 5Remarks: Highly mobile in soils
Stability in soil	:	Remarks: Will not adsorb on soil.

12.5 Results of PBT and vPvB assessment

Product:

Assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

Components:

2-aminoethanol
141-43-5:

Assessment	:	This substance is not considered to be very persistent and very

bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

(2-methoxymethylethoxy)propanol 34590-94-8:

Assessment : This substance is not considered to be very persistent and very bioaccumulating (vPvB).. This substance is not considered to be persistent, bioaccumulating and toxic (PBT)..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Waste Code European Waste Catalogue
200129
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

14.1 UN number

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.2 Proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class

ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA

Not dangerous goods

14.4 Packing group
ADR
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

14.5 Environmental hazards
ADR
Not dangerous goods
IMDG
Not regulated as a dangerous good
IATA
Not dangerous goods

14.6 Special precautions for user
Remarks : Not classified as dangerous in the meaning of transport regulations.

For personal protection see section 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

: Directive 96/82/EC does not apply

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

TA Luft List (Germany)
: Total dust: Not applicable
: Inorganic substances in powdered form: Not applicable
: Inorganic substances in vapour or gaseous form: : portionClass 3: < 0,01 %
: Organic Substances: : portionClass 1: 1,8 %
: Carcinogenic substances: Not applicable
: Mutagenic: Not applicable
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Update: Percent volatile: 5,82 % 703,67 g/l VOC content excluding water
Volatile organic compounds (VOC) content	:	Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Update: Percent volatile: 5,82 % 58,9 g/l VOC content valid only for coating materials used on wood surfaces
according to Detergents Regulation EC 648/2004	:	<5% Non-ionic surfactants, Perfumes
GISBAU (D)	:	GU 80

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

Further information

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Classification procedure:	H315	Calculation method
	H319	Calculation method

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good

Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.