



TANET SR 15 2x5 I

WM 0712480

Order number: 0712480

Version 11.0

Revision Date 25.06.2019

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

1.1 Product identifier

Trade name : TANET SR 15 2x5 I
Identification number : 61268

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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.	Classification	Concentration (% w/w)



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	Registration number		
ethanol	64-17-5 200-578-6 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319 SCL >= 50 % 2; H319	>= 2 - < 5
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3 01-2119488639-16	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412 SCL 5 - < 10 % 2; H319 >= 10,0 % 1; H318	>= 2,5 - < 3
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1 01-2119488530-36	Eye Dam. 1; H318 SCL > 10 % 1; H318	>= 1 - < 2
Alcohols, C10-16, ethoxylated propoxylated	69227-22-1	Eye Dam. 1; H318 Acute Tox. 4; H302 SCL 1 - 10,0 % 2; H319 > 10,0 % 1; H318	>= 1 - < 2
1-phenoxypropan-2-ol	770-35-4 212-222-7 01-2119486566-23	Eye Irrit. 2; H319	>= 1 - < 2
2-phenoxyethanol	122-99-6 204-589-7 01-2119488943-21	Acute Tox. 4; H302 Eye Irrit. 2; H319	>= 1 - < 2

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 in case of accidental inhalation of dust or fumes from overheating or combustion.
If symptoms persist, call a physician.



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- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- 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.



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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 : Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up and shovel.
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 : For personal protection see section 8. No special handling advice required.

Avoid formation of aerosol. Avoid contact with skin and eyes. For personal protection see section 8. No special handling advice required. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : 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 : Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

Advice on common storage : No special restrictions on storage with other products.

Other data : No decomposition if stored and applied as directed. Protect from frost.

7.3 Specific end use(s)



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Specific use(s) : Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

ethanol
64-17-5:

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Acute local effects
Value: 1900 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 950 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 343 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Acute local effects
Value: 950 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 206 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 114 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 87 mg/kg

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Acute local effects
Value: 950 mg/m³

Alcohols, C12-14, ethoxylated, : End Use: Workers



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sulfates, sodium salts
68891-38-3:

Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 2750 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 175 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 1650 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 52 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 15 mg/kg

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,132 mg/cm²

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term local effects
Value: 0,079 mg/cm²

D-Glucopyranose, oligomers,
decyl octyl glycosides
68515-73-1:

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 595000 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 420 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 357000 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 124 mg/m³

End Use: Consumers



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1-phenoxypropan-2-ol 770-35-4:

Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 35,7 mg/kg

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 42 mg/kg bw/day

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 25,7 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 21 mg/kg bw/day

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 3,65 mg/kg bw/day

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term exposure, Systemic effects
Value: 12,7 mg/m³

2-phenoxyethanol 122-99-6:

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 8,07 mg/m³

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 8,07 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 34,72 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 2,41 mg/m³

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 2,41 mg/m³

End Use: Consumers



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Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 20,83 mg/kg

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Value: 17,43 mg/kg

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Acute systemic effects
Value: 17,43 mg/kg

PNEC

**ethanol
64-17-5:**

: Fresh water
Value: 0,96 mg/l

Marine water
Value: 0,79 mg/l

Fresh water sediment
Value: 3,6 mg/kg

Soil
Value: 0,63 mg/kg

STP
Value: 580 mg/l

intermittent release
Value: 2,75 mg/l

**Alcohols, C12-14, ethoxylated,
sulfates, sodium salts
68891-38-3:**

: Fresh water
Value: 0,24 mg/l

Marine water
Value: 0,024 mg/l

STP
Value: 10000 mg/kg

intermittent release
Value: 0,071 mg/l

Fresh water sediment
Value: 5,45 mg/kg

Marine sediment
Value: 0,545 mg/kg

**D-Glucopyranose, oligomers,
decyl octyl glycosides**

: Fresh water
Value: 0,176 mg/l



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68515-73-1:

Marine water
Value: 0,0176 mg/l

intermittent release
Value: 0,27 mg/l

STP
Value: 560 mg/l

Fresh water sediment
Value: 1,516 mg/kg

Marine sediment
Value: 0,152 mg/kg

Soil
Value: 0,654 mg/kg

**1-phenoxypropan-2-ol
770-35-4:**

: Fresh water
Value: 0,1 mg/l

Marine water
Value: 0,01 mg/l

Fresh water sediment
Value: 0,38 mg/kg

Marine sediment
Value: 0,038 mg/kg

Soil
Value: 0,02 mg/kg

STP
Value: 10 mg/l

intermittent release
Value: 1 mg/l

**2-phenoxyethanol
122-99-6:**

: Fresh water
Value: 0,943 mg/l

Marine water
Value: 0,0943 mg/l

intermittent release
Value: 3,44 mg/l

STP
Value: 24,8 mg/l

Fresh water sediment
Value: 7,2366 mg/kg



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Marine sediment
Value: 0,7237 mg/kg

Soil
Value: 1,26 mg/kg

8.2 Exposure controls

Personal protective equipment

Eye protection : not required under normal use

Hand protection

Material : not required under normal use

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 under normal use

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : blue
Odour : characteristic
Odour Threshold : No data available
pH : ca. 8,6, at20 °C
Melting point/range : No data available



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Boiling point/boiling range	: No data available
Flash point	: 60,1 °C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Flammability (liquids)	: Not classified as supporting combustion according to the transport regulations.
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. 1,005 g/cm ³ at 20 °C
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



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Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost.

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

Skin corrosion/irritation : May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation : Vapours may cause irritation to the eyes, respiratory system and the skin.
Causes serious eye irritation.

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:

ethanol

| 64-17-5:



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Acute oral toxicity	: LD50 Oral Rat: 10.470 mg/kg Method: OECD Test Guideline 401
	LD50 Rat: 5.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: LC50 Rat: 51 mg/l Exposure time: 4 h
Acute dermal toxicity	: LD50 Dermal Rabbit: > 2.000 mg/kg Method: OECD Test Guideline 402
	LD50 Dermal Rabbit: > 10.000 mg/kg Method: OECD Test Guideline 402
Skin corrosion/irritation	: Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: Mild eye irritation Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Species: Mouse Result: Does not cause skin sensitisation. Method: see user defined free text
Reproductive toxicity	: Species: Rat Application Route: Oral NOAEL: 5.200 mg/kg
	Species: Rat Application Route: Oral NOAEL: 13.800 mg/kg
	Species: Rat Application Route: Inhalation NOAEL: 30400 mg/m ³
Repeated dose toxicity	: Rat, male: NOAEL: > 20 mg/kg
	Method: OECD Test Guideline 403
	Rat, female: NOAEL: 1.730 mg/kg
	Method: OECD Test Guideline 408

Alcohols, C12-14, ethoxylated, sulfates, sodium salts
| 68891-38-3:



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Acute oral toxicity	: LD50 Oral Rat: 2.870 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	: LD50 Rat: > 2.000 mg/kg Method: OECD Test Guideline 402 GLP: yes
Skin corrosion/irritation	: Species: Rabbit Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Result: Does not cause skin sensitisation.
Germ cell mutagenicity	
Genotoxicity in vitro	: Result: negative Method: OECD Test Guideline 471
Reproductive toxicity	: Species: Rat Application Route: Oral NOAEL: > 300 mg/kg, F1: > 300 mg/kg, Method: OECD Test Guideline 416
Teratogenicity	: Species: Rat Application Route: Oral >1.000 mg/kg > 1.000 mg/kg Method: OECD Test Guideline 414
Repeated dose toxicity	: NOAEL: 300 mg/kg
STOT - repeated exposure	: Exposure routes: Ingestion Target Organs: Liver

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Acute oral toxicity	: LD50 Rat: > 5.000 mg/kg Method: OECD Test Guideline 401
Acute dermal toxicity	: Rabbit: > 2.000 mg/kg Method: OECD Test Guideline 402
Skin corrosion/irritation	: Species: Rabbit



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	Result: Mild skin irritation Method: OECD Test Guideline 404
Serious eye damage/eye irritation	: Species: Rabbit Result: Irreversible effects on the eye Method: OECD Test Guideline 405
Respiratory or skin sensitisation	: Species: Guinea pig Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406
Germ cell mutagenicity	
Genotoxicity in vitro	: Type: Ames test Result: negative Method: OECD Test Guideline 471

Alcohols, C10-16, ethoxylated propoxylated

69227-22-1:

Acute oral toxicity	: LD50 Oral : 1.800 mg/kg
Skin corrosion/irritation	: Result: Mild skin irritation Method: OECD Test Guideline 404 According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
Serious eye damage/eye irritation	: Result: Risk of serious damage to eyes. Method: OECD Test Guideline 405

1-phenoxypropan-2-ol

770-35-4:

Acute oral toxicity	: LD50 Rat: > 2.000 mg/kg
Acute inhalation toxicity	: LC50 Rat: 5,4 mg/l Exposure time: 4 h Test atmosphere: dust/mist
Acute dermal toxicity	: LD50 Rabbit: > 2.000 mg/kg
Serious eye damage/eye irritation	: Result: Eye irritation

2-phenoxyethanol

122-99-6:

Acute oral toxicity	: LD50 Oral Rat: 1.260 mg/kg
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	LD50 Oral Mouse: 933 mg/kg
	LD50 Oral Rat: 1.850 mg/kg
	Acute toxicity estimate : 500 mg/kg Method: Converted acute toxicity point estimate
	LD50 Rat: 2.740 mg/kg Method: Calculation method
Acute inhalation toxicity	: LC50 Rat: 1 mg/l Exposure time: 6 h
Acute dermal toxicity	: LD50 Dermal Rabbit: > 2.214 mg/kg LD50 Rat: 14.422 mg/kg
Serious eye damage/eye irritation	: Species: Rabbit Result: irritating Method: OECD Test Guideline 405

SECTION 12: Ecological information

12.1 Toxicity

Components:

ethanol

64-17-5:

Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 13 g/l Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 8.150 mg/l Exposure time: 48 h LC50 (Pimephales promelas (fathead minnow)): > 0,1 g/l Exposure time: 96 h LC50 (Fish): 11.200 mg/l
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 12.340 mg/l Exposure time: 48 h EC50 : 5.012 mg/l
Toxicity to algae	: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h Test Type: Growth inhibition



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Method: OECD Test Guideline 201

EC50 (*Scenedesmus capricornutum* (fresh water algae)): 12.900 mg/l
Exposure time: 48 h
Test Type: Growth inhibition
Method: No information available.

EC0 (*Scenedesmus quadricauda* (Green algae)): 5.000 mg/l
Exposure time: 168 h

EC50 : 4.432 mg/l

EC10 : 11,5 mg/l

EC10 : 280 mg/l

Toxicity to bacteria : EC50 (*Pseudomonas putida*): 11.800 mg/l
Exposure time: 16 h
Test Type: Cell multiplication inhibition test

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Toxicity to fish : LC50 (*Danio rerio* (zebra fish)): 7,1 mg/l
Exposure time: 96 h
Test Type: flow-through test
Method: OECD Test Guideline 203
GLP: yes

LC50 (Fish): > 1 - 10 mg/l
Test Type: semi-static test
Method: OECD Test Guideline 203

LC50 (*Leuciscus idus* (Golden orfe)): 10 - 100 mg/l
Method: OECD Test Guideline 203

NOEC (*Oncorhynchus mykiss* (rainbow trout)): 0,14 mg/l
Exposure time: 28 d
Test Type: flow-through test
Method: OECD Test Guideline 204

LC50 (*Brachydanio rerio* (zebrafish)): 1 - 10 mg/l
Test Type: flow-through test
Method: OECD Test Guideline 203

LC50 (*Brachydanio rerio* (zebrafish)): 7,1 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia pulex* (Water flea)): 7,4 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202

EC50 (*Daphnia magna* (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h



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	Test Type: static test Method: OECD Test Guideline 202
	NOEC (Daphnia magna (Water flea)): 0,27 mg/l Exposure time: 21 d Test Type: flow-through test Method: OECD Test Guideline 211
	(Daphnia magna (Water flea)): 7,2 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): 27,7 mg/l Exposure time: 72 h Test Type: Growth inhibition Method: OECD Test Guideline 201 GLP: yes
	EC50 (Scenedesmus subspicatus): 10 - 100 mg/l Method: OECD Test Guideline 201
	EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
	NOEC : 0,95 mg/l Test Type: Growth inhibition Method: OECD Test Guideline 201
	NOEC (Desmodesmus subspicatus (green algae)): 0,93 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
Toxicity to bacteria	: EC50 (Pseudomonas putida): > 10 g/l Exposure time: 16 h Test Type: Cell multiplication inhibition test Method: DIN 38412 GLP: yes
	EC10 (Pseudomonas putida): > 10 g/l Test Type: Cell multiplication inhibition test GLP:
Toxicity to fish (Chronic toxicity)	: NOEC: 1,2 mg/l
	NOEC: 1 - 10 mg/l Species: Leuciscus idus (Golden orfe)
	NOEC: 0,14 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 204
Toxicity to daphnia and other	: NOEC: > 0,1 - 1 mg/l



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aquatic invertebrates (Chronic toxicity) : Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Toxicity to soil dwelling organisms : NOEC: 750 mg/kg
Exposure time: 96 d
Species: Eisenia fetida (earthworms)
Method: OECD Test Guideline 222

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 100,81 mg/l
Exposure time: 96 h

NOEC (Brachydanio rerio (zebrafish)): 1,8 mg/l

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 1,0 mg/l

Toxicity to algae : EC50 (Scenedesmus subspicatus): 27,22 mg/l
Exposure time: 72 h

Alcohols, C10-16, ethoxylated propoxylated

69227-22-1:

Toxicity to fish : LC50 (Brachydanio rerio): > 1 - 10 mg/l
Test Type: semi-static test
Method: ISO 7346/2

Toxicity to bacteria : EC0 (Pseudomonas putida): > 100 mg/l
Method: OECD Test Guideline 209

1-phenoxypropan-2-ol

770-35-4:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 220 - 460 mg/l
Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): 280 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 370 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
Test Type: static test

EC50 (Desmodesmus subspicatus (green algae)): 74,5 mg/l
Exposure time: 72 h



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Toxicity to bacteria	: EC50 (Bacteria): > 1.000 mg/l Exposure time: 17 h
2-phenoxyethanol 122-99-6:	
Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 344 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 LC50 (Leuciscus idus (Golden orfe)): 220 - 460 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h NOEC (Daphnia magna (Water flea)): 9,43 mg/l Exposure time: 21 d Test Type: semi-static test
Toxicity to algae	: EC50 : > 500 mg/l Exposure time: 72 h
Toxicity to bacteria	: EC50 (Pseudomonas putida): 880 mg/l Exposure time: 17 h EC20 (activated sludge): 620 mg/l Exposure time: 30 min EC10 (Pseudomonas putida): 320 mg/l Exposure time: 17 h
Toxicity to fish (Chronic toxicity)	: NOEC: 23 mg/l Exposure time: 34 d Species: Pimephales promelas (fathead minnow)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 9,43 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
Toxicity to soil dwelling organisms	: LC50: 1.000 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms)

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:

ethanol



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64-17-5:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 97 %
Method: OECD Test Guideline 301

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Biodegradability : Test Type: aerobic
Result: rapidly biodegradable
Biodegradation: > 70 %
Exposure time: 28 d
Method: OECD 301 A

Test Type: anaerobic
Result: Biodegradable
Biodegradation: > 60 %
Exposure time: 41 d

D-Glucopyranose, oligomers, decyl octyl glycosides

68515-73-1:

Biodegradability : Result: rapidly biodegradable
Biodegradation: 100 %
Exposure time: 28 d
Method: OECD 301 E

Alcohols, C10-16, ethoxylated propoxylated

69227-22-1:

Biodegradability : Remarks: Readily biodegradable, according to appropriate OECD test., The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

1-phenoxypropan-2-ol

770-35-4:

Biodegradability : Biodegradation: 72 %
Exposure time: 28 d
Method: OECD 301 F

12.3 Bioaccumulative potential

Components:

ethanol

64-17-5:

Bioaccumulation : Concentration: 3,2 mg/l

Partition coefficient: n-octanol/water : log Pow: -0,32

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:



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Bioaccumulation	: Remarks: Bioaccumulation is unlikely.
1-phenoxypropan-2-ol 770-35-4:	
Bioaccumulation	: Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
2-phenoxyethanol 122-99-6:	
Bioaccumulation	: Bioconcentration factor (BCF): 2
Partition coefficient: n-octanol/water	: log Pow: 1,2 (23 °C) pH: 5 - 9 GLP: yes

12.4 Mobility in soil

Components:

ethanol

64-17-5:

Distribution among environmental compartments : Koc: 1Remarks: Highly mobile in soils

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

Distribution among environmental compartments : Adsorption/Soil
Medium:Soil
Koc: 191Method: see user defined free text

2-phenoxyethanol

122-99-6:

Distribution among environmental compartments : Koc: 16 - 102Remarks: Highly mobile in soils

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:

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

68891-38-3:

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.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Waste Code	European Waste Catalogue 20 01 29 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



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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

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: 0,72 %
: 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: 3,28 %
264,66 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: 3,28 %
32,98 g/l
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% Anionic surfactants, Non-ionic surfactants, Soap, Perfumes, PHENOXYETHANOL



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GISBAU (D) : GU 55

15.2 Chemical safety assessment

There is no data available for this product.

SECTION 16: Other information

Full text of H-Statements

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye 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: On basis of test data.

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; KECl - 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



Werner & Mertz
Professional

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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.

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