

## TANEX trophy 2x5 l

WM 0712734

Order number: 0712734

Version 5.3

Revision Date 04.02.2021

Print Date 23.09.2021

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

#### 1.1 Product identifier

Trade name : TANEX trophy 2x5 l  
Identification number : 61032

#### 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

112  
Centru za kontrolu otrovanja u Zagrebu na tel. (01) 2348 342  
+49(0)6131-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Corrosive to metals, Category 1 H290: May be corrosive to metals.

Skin corrosion, Category 1A H314: Causes severe skin burns and eye damage.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Danger

Hazard statements : H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

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Precautionary statements : P102 Keep out of reach of children.  
**Prevention:**  
 P260 Do not breathe spray.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 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 CENTER/ doctor.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:  
 potassium hydroxide

**Additional Labelling:**

Safety data sheet available on request.

**2.3 Other hazards**

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)
potassium hydroxide	1310-58-3 215-181-3 01-2119487136-33	Acute Tox. 4; H302 Skin Corr. 1A; H314 Met. Corr. 1; H290  SCL ≥ 5 % 1A; H314 2 - < 5 % 1B; H314 0,5 - < 2 % 2; H315 0,5 - < 2 % 2; H319	≥ 5 - < 10
tetrapotassium pyrophosphate	7320-34-5 230-785-7 01-2119489369-18	Eye Irrit. 2; H319	≥ 2 - < 5
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37	Eye Irrit. 2; H319	≥ 2 - < 5

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Alcohols, C6-12, ethoxylated (5 EO)	68439-45-2	Eye Dam. 1; H318 Acute Tox. 4; H302	>= 1 - < 2
Fatty alcohol alkoxyate		Skin Irrit. 2;	>= 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.  
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Protect unharmed eye.  
Continue rinsing eyes during transport to hospital.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
Take victim immediately to hospital.

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

- Symptoms : corrosive effects
- 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.

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### 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.  
Evacuate personnel to safe areas.

#### 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 : 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 formation of aerosol. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking

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should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray.

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. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at room temperature in the original container.

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

**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-methoxymethyllethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Identifies the possibility of significant uptake through the skinIndicative				
(2-methoxymethyllethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3		
Further information	: H: Dermal absorption possible				
(2-methoxymethyllethoxy)propanol	34590-94-8		100 ppm		
Further information	: H: Dermal absorption possible				
(2-methoxymethyllethoxy)propanol	34590-94-8	STEL	150 ppm		
Further information	: H: Dermal absorption possible				
(2-methoxymethyllethoxy)propanol	34590-94-8		100 ppm		

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Further information	REL: Recommended exposure limit				
(2-methoxymethyl ethoxy)propanol	34590-94-8	STEL	150 ppm 900 mg/m3		
(2-methoxymethyl ethoxy)propanol	34590-94-8	STEL	50 ppm 310 mg/m3		

**DNEL**

**potassium hydroxide**  
**1310-58-3:** : End Use: Workers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term local effects  
 Value: 1 mg/m3

End Use: Consumers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term local effects  
 Value: 1 mg/m3

**tetrapotassium pyrophosphate**  
**7320-34-5:** : End Use: Workers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term systemic effects  
 Value: 2,79 mg/m3

End Use: Consumers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term systemic effects  
 Value: 0,68 mg/m3

End Use: Consumers  
 Exposure routes: Ingestion  
 Potential health effects: Long-term systemic effects  
 Value: > 70 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

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End Use: Consumers  
Exposure routes: Ingestion  
Potential health effects: Long-term systemic effects  
Value: 3,8 mg/kg bw/day

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 136,25 mg/kg bw/day

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 26,9 mg/m3

End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Long-term local effects  
Value: 0,096 mg/cm2

End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Long-term systemic effects  
Value: 68,1 mg/kg bw/day

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 6,6 mg/m3

End Use: Consumers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 0,048 mg/cm2

(2-  
methoxymethylethoxy)propan  
ol  
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

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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

**tetrapotassium  
pyrophosphate  
7320-34-5:**

: Fresh water  
Value: 0,05 mg/l

Marine water  
Value: 0,005 mg/l

STP  
Value: 50 mg/l

intermittent release  
Value: 0,5 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

Marine water  
Value: 0,023 mg/l

Fresh water sediment  
Value: 0,862 mg/kg

Marine sediment  
Value: 0,0862 mg/kg

Soil  
Value: 0,037 mg/kg

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(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 : Tightly fitting safety goggles

#### Hand protection

Material : Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

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 : Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
Remove and wash contaminated clothing before re-use.

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

#### Environmental exposure controls

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

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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Appearance	: liquid
Colour	: colourless
Odour	: characteristic
Odour Threshold	: No data available
pH	: ca. 14
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
Flammability (liquids)	: 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. 1,1 g/cm <sup>3</sup>
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
alkali reserve	: 6,2 g/100g
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

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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 : 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

Our company is strongly against animal testing.  
Our company does not place any orders for animal testing for the finished product or the ingredients.  
However, as a result of EU legislation (REACH Regulation), the manufacturers of ingredients or EU importers are obliged to test ingredients with regard to their effects on human health and the environment before they are brought onto the market. Some of the tests made necessary by this took place decades ago.

#### Product

Acute oral toxicity : Acute toxicity estimate : > 2.000 mg/kg  
Method: Calculation method

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

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

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Further information : No data available

**Components:**  
**potassium hydroxide**  
**1310-58-3:**

Acute oral toxicity : LD50 Rat: 273 mg/kg

Acute toxicity estimate : 500,0 mg/kg  
Method: Converted acute toxicity point estimate

LD50 Oral Rat, male: 333 mg/kg  
Method: OECD Test Guideline 425

Skin corrosion/irritation : Result: Corrosive

Serious eye damage/eye irritation : Species: Rabbit  
Result: Corrosive  
Method: OECD Test Guideline 405

Respiratory or skin sensitisation : Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity

Genotoxicity in vitro : Type: Ames test  
Test species: Salmonella typhimurium  
Result: negative

**tetrapotassium pyrophosphate**  
**7320-34-5:**

Acute oral toxicity : LD50 Oral Rat: > 2.000 mg/kg

LD50 Mouse: > 2.000 mg/kg

Acute inhalation toxicity : LC50 Rat: 1,1 mg/l  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal Rabbit: > 7.940 mg/kg

LD50 Dermal Rabbit: > 2.000 mg/kg  
Method: OECD Test Guideline 402

Skin corrosion/irritation : Result: Mild skin irritation

Result: No skin irritation

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- Serious eye damage/eye irritation : Result: Eye irritation
- sodium p-cumenesulphonate  
15763-76-5:**
- Acute oral toxicity : LD50 Oral Rat: > 5.000 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

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### Alcohols, C6-12, ethoxylated (5 EO)

#### 68439-45-2:

Acute oral toxicity : LD50 Oral Rat: > 300 - 2.000 mg/kg

Acute dermal toxicity : LD50 Dermal Rat: > 2.000 mg/kg

### Fatty alcohol alkoxyate

:

Acute oral toxicity : LD50 Rat: > 2.000 mg/kg  
Method: Calculation method

### (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

**Product:**

**Components:**

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### potassium hydroxide

#### 1310-58-3:

- Toxicity to fish : (Pimephales promelas (fathead minnow)): 880 mg/l  
Exposure time: 96 h  
Test Type: static test
- LC50 (Gambusia affinis (Mosquito fish)): 80 mg/l  
Exposure time: 96 h
- LC50 (Poecilia reticulata (guppy)): 165 mg/l  
Exposure time: 24 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 660 mg/l  
Exposure time: 48 h  
Test Type: static test
- Toxicity to algae : EC50 : 1.337 mg/l  
Exposure time: 120 h
- Toxicity to bacteria : EC50 (Photobacterium phosphoreum): 22 mg/l  
Exposure time: 15 min
- Toxicity to soil dwelling organisms : LC50: 850 mg/kg  
Exposure time: 90 d

### tetrapotassium pyrophosphate

#### 7320-34-5:

- Toxicity to fish : LC0 (Leuciscus idus (Golden orfe)): > 750 mg/l  
Exposure time: 48 h
- LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : ErC50 : > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- NOEC : > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to bacteria : (activated sludge): > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209
- Toxicity to fish (Chronic toxicity) : 100 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Method: OECD Test Guideline 203

### sodium p-cumenesulphonate

#### 15763-76-5:

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- 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

### Alcohols, C6-12, ethoxylated (5 EO) 68439-45-2:

- Toxicity to fish : LC50 (Fish): > 10 - 100 mg/l
- Toxicity to algae : EC50 : > 10 - 100 mg/l
- Toxicity to bacteria : EC50 : 10 - 100 mg/l

### Fatty alcohol alkoxyolate

:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 1 - 10 mg/l  
Exposure time: 96 h
- Toxicity to bacteria : EC10 (Pseudomonas putida): > 10.000 mg/l  
Method: DIN 38412

### (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 aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.919 mg/l  
Exposure time: 48 h  
Test Type: static test
- EC50 (Crangon crangon (shrimp)): > 1.000 mg/l

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- 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:

##### **tetrapotassium pyrophosphate 7320-34-5:**

- Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

##### **sodium p-cumenesulphonate 15763-76-5:**

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

##### **Alcohols, C6-12, ethoxylated (5 EO)**

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### 68439-45-2:

Biodegradability : Remarks: 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.

### Fatty alcohol alkoxyate

:

Biodegradability : 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:

#### potassium hydroxide

1310-58-3:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

#### tetrapotassium pyrophosphate

7320-34-5:

Bioaccumulation : Remarks: Does not bioaccumulate.

#### sodium p-cumenesulphonate

15763-76-5:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

#### (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:

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

### 12.5 Results of PBT and vPvB assessment

**Components:**

**potassium hydroxide**

**1310-58-3:**

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)..

**(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.  
In accordance with local and national regulations.

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

---

## SECTION 14: Transport information

### 14.1 UN number

ADR : 3267  
IMDG : 3267  
IATA : 3267

### 14.2 Proper shipping name

ADR : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(potassium hydroxide)  
IMDG : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.  
(potassium hydroxide)  
IATA : Corrosive liquid, basic, organic, n.o.s. Not permitted for transport

### 14.3 Transport hazard class

ADR : 8  
IMDG : 8  
IATA : 8

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### 14.4 Packing group

#### ADR

Classification Code : C7  
Packaging group : III  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

#### IMDG

Packaging group : III  
Labels : 8  
EmS Number : F-A, S-B

#### IATA

(Cargo) : Corrosive liquid, basic, organic, n.o.s. Not permitted for transport  
Packaging group : III  
Labels : 8

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

#### IATA

Environmentally hazardous : no

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country 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: Not applicable  
: Organic Substances: Not applicable

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according to Regulation (EC) No. 1907/2006

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	: 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: 4 % 44 g/l VOC content valid only for coating materials used on wood surfaces
Volatile organic compounds (VOC) content	: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Update: Percent volatile: 4 % 377,59 g/l VOC content excluding water
according to Detergents Regulation EC 648/2004	: <5% phosphates, phosphonates, Non-ionic surfactants, soap, Perfumes
GISBAU (D)	: GG 70

### 15.2 Chemical safety assessment

There is no data available for this product.

## SECTION 16: Other information

### Full text of H-Statements

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.

### 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:	H290	Calculation method
	H314	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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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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.

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