



## QUICKSTRIP turbo 2x5 I

WM 0712807

Order number: 0712807

Version 6.7

Revision Date 02.12.2022

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

#### 1.1 Product identifier

Trade name : QUICKSTRIP turbo 2x5 I  
UFI :

#### 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)

Acute toxicity, Category 4 H332: Harmful if inhaled.  
Skin corrosion, Category 1A H314: Causes severe skin burns and eye damage.  
Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.

#### 2.2 Label elements

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

Hazard pictograms : 

Signal word : Danger





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		Acute toxicity estimate  Acute oral toxicity: 500,0 mg/kg Acute inhalation toxicity: 11 mg/l  Acute dermal toxicity: 1.100 mg/kg	
benzyl alcohol	BENZYL ALCOHOL 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox. 4; H332 Acute Tox. 4; H302 Eye Irrit. 2; H319  Acute toxicity estimate  Acute oral toxicity: 500,0 mg/kg Acute inhalation toxicity (dust/mist): 9 mg/l	>= 5 - < 10
Sodium metasilicate, pentahydrate	SODIUM METASILICATE  01-2119449811-37	Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335	>= 5 - < 10
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37	Eye Irrit. 2; H319	>= 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.  
Consult a physician after significant exposure.
- 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.



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

Symptoms : corrosive effects  
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.

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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.

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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.  
Evacuate personnel to safe areas.  
Wear respiratory protection.

### 6.2 Environmental precautions

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

### 6.3 Methods and material 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.



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### 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.  
Do not breathe vapours or spray mist.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking 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. Observe label precautions. Store at room temperature in the original container.
- Further information on storage stability : 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

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2-aminoethanol	ETHANOLAM INE	TWA	1 ppm 2,5 mg/m <sup>3</sup>	2006/15/EC
	Further information: Indicative, Identifies the possibility of significant uptake through the skin			
2-aminoethanol	ETHANOLAM INE	STEL	3 ppm 7,6 mg/m <sup>3</sup>	2006/15/EC
	Further information: Indicative, Identifies the possibility of significant uptake through the skin			



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### 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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : colourless
- Odour : characteristic
- Odour Threshold : No data available
- pH : ca. 13,1
- Melting point/range : No data available
- Boiling point/boiling range : No information available.
- Flash point : No data available
- 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. 1,059 g/cm<sup>3</sup>
- Water solubility : soluble



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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
Flow time	:	ca. 10 s Cross section: 4 mm
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

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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.

#### Acute toxicity

##### Product:



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

Acute inhalation toxicity : Acute toxicity estimate: 11,9 mg/l  
Test atmosphere: vapour  
Method: Calculation method

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

### Components:

#### **2-aminoethanol**

#### **ETHANOLAMINE:**

Acute oral toxicity : LD50 Oral (Rat): 1.515 mg/kg  
Method: OECD Test Guideline 401  
  
Acute toxicity estimate: 500,0 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  
Remarks: Harmful by inhalation.

LC50 (Rat): 1,487 mg/l  
Exposure time: 4 h

Acute toxicity estimate: 11 mg/l

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

#### **benzyl alcohol**

#### **BENZYL ALCOHOL:**

Acute oral toxicity : LD50 (Rat): 1.230 mg/kg  
  
LD50 Oral (Rabbit): 1.040 mg/kg  
  
LD50 Oral (Guinea pig): 2.500 mg/kg  
  
LD50 Oral (Rat, male): 1.620 mg/kg  
  
Acute toxicity estimate: 500,0 mg/kg  
Method: Converted acute toxicity point estimate

Acute inhalation toxicity : Acute toxicity estimate: 9 mg/l  
Test atmosphere: dust/mist  
  
LC50 (Rat): 4,178 mg/l





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Exposure time: 4 h  
Test atmosphere: dust/mist

LC50 (Rat): 20 mg/l  
Exposure time: 4 h

Acute dermal toxicity : LD50 Dermal (Rabbit): 2.000 mg/kg  
LD50 Dermal: 2.500 mg/kg

### Sodium metasilicate, pentahydrate

#### SODIUM METASILICATE:

Acute oral toxicity : LD50 (Rat): 1.152 - 1.349 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 2,06 mg/l  
Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

### 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

#### Product:

Remarks : Extremely corrosive and destructive to tissue.

#### Components:

##### 2-aminoethanol

#### ETHANOLAMINE:

Species : Rabbit  
Assessment : Corrosive  
Method : OECD Test Guideline 404  
Result : Corrosive

##### benzyl alcohol

#### BENZYL ALCOHOL:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation

### sodium p-cumenesulphonate

#### 15763-76-5:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation



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Remarks : Based on available data, the classification criteria are not met.

### Serious eye damage/eye irritation

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### 2-aminoethanol

#### ETHANOLAMINE:

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Method : OECD Test Guideline 405  
Result : Risk of serious damage to eyes.

##### benzyl alcohol

#### BENZYL ALCOHOL:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Moderate eye irritation

##### sodium p-cumenesulphonate

#### 15763-76-5:

Species : Rabbit  
Method : OECD Test Guideline 405  
Result : Moderate eye irritation  
Remarks : Causes serious eye irritation.

### Respiratory or skin sensitisation

#### Product:

Remarks : No data available

#### Components:

##### 2-aminoethanol

#### ETHANOLAMINE:

Test Type : Maximisation Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.

##### sodium p-cumenesulphonate

#### 15763-76-5:

Test Type : Buehler Test  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Did not cause sensitisation on laboratory animals.



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### Germ cell mutagenicity

Germ cell mutagenicity : Not Rated

### Components:

#### sodium p-cumenesulphonate

##### 15763-76-5:

Genotoxicity in vitro : Result: negative

Genotoxicity in vivo : Remarks: negative

### Carcinogenicity

Carcinogenicity : Not Rated

### Components:

#### sodium p-cumenesulphonate

##### 15763-76-5:

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

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.

### Repeated dose toxicity

### Components:

#### sodium p-cumenesulphonate

##### 15763-76-5:

Species : Rat  
NOAEL : 763 mg/kg  
Application Route : Oral  
Target Organs : Cardio-vascular system

Species : Mouse  
NOAEL : 440 mg/kg  
LOAEL : 1.300 mg/kg  
Application Route : Dermal  
Method : OECD Test Guideline 411  
Target Organs : Skin

Aspiration toxicity : Not Rated

## 11.2 Information on other hazards

### Further information

### Product:



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Remarks : No data available

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **ETHANOLAMINE:**

- 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
- LC50 (Leuciscus idus (Golden orfe)): 224 mg/l  
Exposure time: 48 h
- LC50 (Oncorhynchus mykiss (rainbow trout)): 105 mg/l  
Exposure time: 96 h
- (Oryzias latipes (Orange-red killifish)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- 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
- EC50 (Daphnia magna (Water flea)): 65 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: EG 84/449
- Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum): 2,8 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201



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- 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
- EC50 (*Scenedesmus subspicatus*): 15 mg/l  
Exposure time: 72 h
- EC50 (*Selenastrum capricornutum*): 2,5 mg/l  
Exposure time: 72 h
- EC10 (*Pseudokirchneriella subcapitata* (green algae)): 0,7 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : 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)

### BENZYL ALCOHOL:

- Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 460 mg/l  
Exposure time: 96 h  
Test Type: static test  
GLP: no
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 400 mg/l  
Exposure time: 24 h



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- EC100 (Daphnia magna (Water flea)): 500 mg/l  
Exposure time: 48 h
- LC50 (Daphnia magna (Water flea)): 360 mg/l  
Exposure time: 48 h
- EC50 (Daphnia magna (Water flea)): 230 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yes
- EC50 (Daphnia magna (Water flea)): 66 mg/l  
Method: OECD Test Guideline 211  
GLP: yes
- NOEC (Daphnia magna (Water flea)): 51 mg/l  
Method: OECD Test Guideline 211  
GLP: yes
- Toxicity to algae/aquatic plants : EC0 (Scenedesmus quadricauda (Green algae)): 640 mg/l  
Exposure time: 96 h
- NOEC (Pseudokirchneriella subcapitata (green algae)): 310 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- IC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to microorganisms : (Bacteria): 390 mg/l  
Exposure time: 24 h  
Analytical monitoring: no  
Method: OECD Test Guideline 209  
GLP: no
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 51 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211  
GLP: yes

### SODIUM METASILICATE:

- Toxicity to fish : LC50 (Brachydanio rerio): 210 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.700 mg/l  
Exposure time: 48 h

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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/aquatic plants : 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 microorganisms : EC10 (activated sludge): > 1.000 mg/l  
Exposure time: 3 h  
Test Type: Respiration inhibition  
Method: OECD Test Guideline 209

### 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:

##### **ETHANOLAMINE:**

- Biodegradability : Test Type: aerobic  
Inoculum: activated sludge  
Result: Readily biodegradable.  
Biodegradation: > 90 %  
Exposure time: 21 d  
Method: OECD 301 A
- Result: rapidly biodegradable  
Biodegradation: 90 - 100 %  
Method: OECD 301 F

- Biochemical Oxygen Demand (BOD) : 800 mg/g  
Incubation time: 5 d

- ThOD : 1,31 g/g



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### BENZYL ALCOHOL:

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 95 - 97 %  
Exposure time: 21 d  
Method: OECD 301 A

Result: Not readily biodegradable.  
Biodegradation: 92 - 96 %  
Exposure time: 14 d  
Method: OECD 301 C

### 15763-76-5:

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

## 12.3 Bioaccumulative potential

### Components:

#### ETHANOLAMINE:

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

#### BENZYL ALCOHOL:

Bioaccumulation : Bioconcentration factor (BCF): 1

Partition coefficient: n-octanol/water : log Pow: 1,10

### 15763-76-5:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

## 12.4 Mobility in soil

### Components:

#### ETHANOLAMINE:

Distribution among environmental compartments : Medium: Soil  
Koc: 5  
Remarks: Highly mobile in soils





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Stability in soil : Remarks: Will not adsorb on soil.

### BENZYL ALCOHOL:

Distribution among environmental compartments : Koc: 15  
Remarks: Highly mobile in soils

### 15763-76-5:

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

## 12.5 Results of PBT and vPvB assessment

### Components:

#### ETHANOLAMINE:

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).

#### BENZYL ALCOHOL:

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

## 12.6 Endocrine disrupting properties

No data available

## 12.7 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 : 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.

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## SECTION 14: Transport information

### 14.1 UN number



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ADR : 1760  
IMDG : 1760  
IATA : 1760

### 14.2 Proper shipping name

ADR : CORROSIVE LIQUID, N.O.S.  
(2-aminoethanol, Sodium metasilicate, pentahydrate)  
IMDG : CORROSIVE LIQUID, N.O.S.  
(Ethanolamine, Sodium metasilicate, pentahydrate)  
IATA : Corrosive liquid, n.o.s.

### 14.3 Transport hazard class

ADR : 8  
IMDG : 8  
IATA : 8

### 14.4 Packing group

ADR  
Classification Code : C9  
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, n.o.s.  
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 : Not applicable



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the Council concerning the export and import of dangerous chemicals

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : See Annex XVII to Regulation (EC) no 1907/2006 for Conditions of restriction

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

TA Luft List (Germany) : Not applicable  
: Total dust: Not applicable  
: Inorganic substances in powdered form: Not applicable  
: Inorganic substances in vapour or gaseous form: Not applicable  
: Organic Substances: : portionClass 1: 17 %  
: 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: 14 %  
563,21 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: 14 %  
148,26 g/l  
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : Perfumes, BENZYL ALCOHOL

GISBAU (D) : GG 80

### 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.  
H312 : Harmful in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
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.

### Full text of other abbreviations

Acute Tox. : Acute toxicity

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Tana-Chemie GmbH  
Werner & Mertz Group

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Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Met. Corr.	:	Corrosive to metals
Skin Corr.	:	Skin corrosion
STOT SE	:	Specific target organ toxicity - single exposure
2006/15/EC	:	Europe. Indicative occupational exposure limit values
2006/15/EC / TWA	:	Limit Value - eight hours
2006/15/EC / STEL	:	Short term exposure limit

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; AIIC - Australian Inventory of Industrial Chemicals; 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; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Acute Tox. 4	H332
Skin Corr. 1A	H314
STOT SE 3	H335

#### Classification procedure:

Calculation method
Calculation method
Calculation method

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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