



## GRILL EXPRESS

WM 0713453

Order number: 0712727

Version 8.14

Revision Date 21.03.2024

Print Date 12.02.2025

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

#### 1.1 Product identifier

Trade name : GRILL EXPRESS  
UFI : VN22-F0EE-G00K-5F6D

#### 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)551-19240

### 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.

Precautionary statements : P102 Keep out of reach of children.



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### Prevention:

P260 Do not breathe spray.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P310

### Disposal:

P501 Dispose of container into the collection of recyclables only when it is completely empty.

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

Safety data sheet available on request.

### 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous surfactant solution.

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
sodium hydroxide	1310-73-2 215-185-5 011-002-00-6 01-2119457892-27	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318  specific concentration limit Skin Corr. 1A; H314 >= 5 % Skin Corr. 1B; H314 2 - < 5 % Skin Irrit. 2; H315 0,5 - < 2 % Eye Irrit. 2; H319 0,5 - < 2 %	>= 5 - < 10
sodium p-cumenesulphonate	15763-76-5 239-854-6 01-2119489411-37	Eye Irrit. 2; H319	>= 2 - < 5
Substances with a workplace exposure limit :			
1-(2-butoxy-1-methylethoxy)propan-2-ol	29911-28-2 249-951-5		>= 2 - < 5



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(2-methoxymethylethoxy)propanol	01-2119451543-42 34590-94-8 252-104-2 01-2119450011-60		>= 2 - < 5
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### 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.

### 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



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### 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 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.

### 6.4 Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Avoid formation of aerosol.
- 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.



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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-methoxymethylethoxy)propanol	Not Assigned	TWA	50 ppm 308 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 308 mg/m <sup>3</sup>	
	Further information: Dermal absorption possible			
			100 ppm	
	Further information: Dermal absorption possible			
		STEL	150 ppm	
	Further information: Dermal absorption possible			
			100 ppm	
	Further information: Recommended exposure limit			
		STEL	150 ppm 900 mg/m <sup>3</sup>	
		STEL	50 ppm 310 mg/m <sup>3</sup>	

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Tightly fitting safety goggles



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### Hand protection

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

Break through time : > 480 min

Glove length :  $\geq 0,3$  mm

Remarks : Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

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

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : yellow, clear

Odour : characteristic

Melting point/freezing point : No data available

Boiling point/boiling range : No information available.

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

Lower explosion limit : No data available

Upper explosion limit : No data available



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Flash point	:	does not flash
Ignition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	ca. 13,3, 100 % at 20 °C
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Vapour pressure	:	No data available
Density	:	ca. 1,072 g/cm <sup>3</sup> at 20 °C
Relative density	:	No data available
Relative vapour density	:	No data available
Particle characteristics	:	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.



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### 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

Acute toxicity : Not Rated

#### Components:

##### sodium hydroxide

###### 1310-73-2:

Acute oral toxicity : LD50 Oral (Rat): 2.000 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  
  
LC50 (Rat): 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2.000 mg/kg  
  
LD50 (Rabbit): > 2.000 - 5.000 mg/kg

##### 1-(2-butoxy-1-methylethoxy)propan-2-ol

###### 29911-28-2:

Acute oral toxicity : LD50 (Rat): 3.700 mg/kg  
  
Acute inhalation toxicity : LC50 (Rat): > 2,04 mg/l  
Exposure time: 4 h  
  
Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

##### (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



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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

#### Product:

Remarks : Extremely corrosive and destructive to tissue.

#### Components:

##### sodium hydroxide

###### 1310-73-2:

Result : Corrosive

##### sodium p-cumenesulphonate

###### 15763-76-5:

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Mild skin irritation  
Remarks : Based on available data, the classification criteria are not met.

### (2-methoxymethylethoxy)propanol

###### 34590-94-8:

Remarks : No skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks : May cause irreversible eye damage.

#### Components:

##### sodium hydroxide

###### 1310-73-2:

Result : Corrosive

##### sodium p-cumenesulphonate

###### 15763-76-5:

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



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### **(2-methoxymethylethoxy)propanol**

#### **34590-94-8:**

Result : No eye irritation

### **Respiratory or skin sensitisation**

#### **Product:**

Remarks : No data available

#### **Components:**

### **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.

### **(2-methoxymethylethoxy)propanol**

#### **34590-94-8:**

Result : Does not cause skin sensitisation.

### **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:**

Species : Rat  
Application Route : Dermal  
Exposure time : 2 Years  
Activity duration : 5 h  
Method : OECD Test Guideline 453  
Result : no increase in tumors observed  
Remarks : Information taken from reference works and the literature.

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

Reproductive toxicity : Not Rated



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### STOT - single exposure

STOT - single exposure : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### Components:

#### sodium p-cumenesulphonate

##### 15763-76-5:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

STOT - repeated exposure : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Components:

#### sodium p-cumenesulphonate

##### 15763-76-5:

Assessment : 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

### (2-methoxymethylethoxy)propanol

##### 34590-94-8:

Species : Rat  
NOAEL : 1.000 mg/kg  
Application Route : Oral  
Exposure time : 28 d

Aspiration toxicity : Not Rated



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### 11.2 Information on other hazards

#### Further information

##### Product:

Remarks : No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **sodium hydroxide**

##### **1310-73-2:**

Toxicity to fish : LC50 (Fish): 33 - 189 mg/l  
Exposure time: 96 h

LC50 (Gambusia affinis (Mosquito fish)): 125 mg/l  
Exposure time: 96 h

LC50 (Poecilia reticulata (guppy)): 76 mg/l  
Exposure time: 24 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 40,4 mg/l

EC50 (Daphnia magna (Water flea)): 76 mg/l  
Exposure time: 24 h

EC50 (Ceriodaphnia (water flea)): 40,4 mg/l  
Exposure time: 48 h  
Test Type: Immobilization

Toxicity to microorganisms : EC50 (Photobacterium phosphoreum): 22 mg/l  
Exposure time: 15 min

##### **sodium p-cumenesulphonate**

##### **15763-76-5:**

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

LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test

LC50 (Danio rerio (zebra fish)): > 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  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l



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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

EC50 (*Raphidocelis subcapitata* (freshwater green alga)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC10 (*Raphidocelis subcapitata* (freshwater green alga)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

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

### 1-(2-butoxy-1-methylethoxy)propan-2-ol

#### 29911-28-2:

Toxicity to fish : LC50 (*Poecilia reticulata* (guppy)): 841 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 1.000 mg/l  
Exposure time: 48 h  
Test Type: static test

### (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

(Fish): > 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  
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/aquatic plants : (*Pseudokirchneriella subcapitata* (microalgae)): > 969 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201



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- (Selenastrum capricornutum): 1.000 mg/l  
Exposure time: 72 h
- EC50 (Skeletonema costatum (marine diatom)): 6.999 mg/l  
Exposure time: 72 h
- EC50 (Selenastrum capricornutum (green algae)): 969 mg/l  
Exposure time: 96 h
- NOEC (Pseudokirchneriella subcapitata (green algae)): 969 mg/l  
Exposure time: 72 h
- Toxicity to microorganisms : EC10 (Pseudomonas putida): 4.168 mg/l  
Exposure time: 18 h  
Test Type: Growth inhibition
- EC50 (No data available): > 100 mg/l
- EC20 (activated sludge): > 1.000 mg/l  
Method: OECD Test Guideline 209
- 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:

##### **sodium hydroxide**

##### **1310-73-2:**

- Biodegradability : Remarks: The methods for determining the biological degradability 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



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### 1-(2-butoxy-1-methylethoxy)propan-2-ol

#### 29911-28-2:

Biodegradability : Biodegradation: 91 %  
Exposure time: 28 d  
Method: OECD 301 E

Biodegradation: 95 %  
Exposure time: 21 d  
Method: OECD 301 A

### (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

Biodegradation: 91 %  
Exposure time: 28 d  
Method: EN ISO 14593: CO<sub>2</sub>-Headspace-Test

Biodegradation: 75 %  
Exposure time: 10 d  
Method: OECD 301 F

## 12.3 Bioaccumulative potential

### Components:

#### sodium hydroxide

##### 1310-73-2:

Bioaccumulation : Species: Fish  
Remarks: No bioaccumulation is to be expected (log Pow <= 4).

#### sodium p-cumenesulphonate

##### 15763-76-5:

Bioaccumulation : Bioconcentration factor (BCF): 3,16  
Remarks: Bioaccumulation is unlikely.

### 1-(2-butoxy-1-methylethoxy)propan-2-ol

#### 29911-28-2:

Partition coefficient: n-  
octanol/water : log Pow: 1,523

### (2-methoxymethylethoxy)propanol

#### 34590-94-8:

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).



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Partition coefficient: n-octanol/water : log Pow: 1,01

### 12.4 Mobility in soil

#### Components:

##### **sodium p-cumenesulphonate**

##### **15763-76-5:**

Distribution among environmental compartments : Koc: 1,25  
Method: Calculation method  
Remarks: Information taken from reference works and the literature.

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

##### **1-(2-butoxy-1-methylethoxy)propan-2-ol**

##### **29911-28-2:**

Distribution among environmental compartments : Koc: 10 - 20

### 12.5 Results of PBT and vPvB assessment

#### Components:

##### **sodium p-cumenesulphonate**

##### **15763-76-5:**

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).

##### **(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 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.



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Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADR : 3266  
IMDG : 3266  
IATA : 3266

#### 14.2 UN proper shipping name

ADR : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium hydroxide)  
IMDG : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.  
(sodium hydroxide)  
IATA : Corrosive liquid, basic, inorganic, n.o.s.

#### 14.3 Transport hazard class(es)

ADR : 8  
IMDG : 8  
IATA : 8

#### 14.4 Packing group

ADR  
Classification Code : C5  
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, inorganic, 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 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.



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### 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, mixtures 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  
: Carcinogenic substances: Not applicable  
: Mutagenic: Not applicable  
: Toxic to reproduction: Not applicable

Volatile organic compounds (VOC) content : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Update: Percent volatile: 5,25 %  
591,66 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: 5,25 %  
56,28 g/l  
VOC content valid only for coating materials used on wood surfaces

according to Detergents Regulation EC 648/2004 : <5% Anionic surfactants, soap

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.  
H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.



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### Full text of other abbreviations

Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Met. Corr.	:	Corrosive to metals
Skin Corr.	:	Skin corrosion
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2000/39/EC / TWA	:	Limit Value - eight hours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - 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:

Met. Corr. 1	H290
Skin Corr. 1A	H314

#### Classification procedure:

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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