

**Mecutwachs Art.-Nr.: 60 1200**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name: Karnasch Professional Tools GmbH  
Street: Theodor-Heuss-Anlage 12  
Place: D-68165 Mannheim  
Telephone: +49 (0) 6203 / 4039 - 0  
E-mail: info@atakarnasch.com  
Contact person: Volker Mayer, Sascha Riedel  
Internet: www.karnasch.tools  
Responsible Department: Volker Mayer, Sascha Riedel:  
Tel: 06203 / 4039 - 0

**1.4. Emergency telephone number:**

Emergency telephone number (24h) + 44 1235 239670 (en)

**Further Information**

Reserved for industrial and professional use.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements****Regulation (EC) No 1272/2008****Special labelling of certain mixtures**

EUH208 Contains Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts, Triisobutyl phosphate. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

**2.3. Other hazards**

Avoid release to the environment.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

High slip hazard because of leaking or spilled product.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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## Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts			0.1 - < 1 %
	939-603-7		01-2119978241-36	
	Skin Sens. 1; H317			
126-71-6	Triisobutyl phosphate			0.1 - < 1 %
	204-798-3		01-2119957118-32	
	Skin Sens. 1B; H317			
29385-43-1	Methyl-1H-benzotriazole			0.1 - < 1 %
	249-596-6		01-2119979081-35	
	Repr. 2, Acute Tox. 4; H361d H302			
106-20-7	Di(2-ethylhexyl)-amin			0.1 - < 1 %
	203-372-4		01-2119977118-28	
	Repr. 1A, Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Aquatic Chronic 1; H360F H331 H311 H302 H314 H410			

Full text of H and EUH statements: see section 16.

## Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1471316-72-9	939-603-7	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts	0.1 - < 1 %
		dermal: LD50 = 2000 mg/kg; oral: LD50 = 10000-20000 mg/kg	
126-71-6	204-798-3	Triisobutyl phosphate	0.1 - < 1 %
		dermal: LD50 = 5000 mg/kg; oral: LD50 = 5000 mg/kg	
29385-43-1	249-596-6	Methyl-1H-benzotriazole	0.1 - < 1 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 720 mg/kg	
106-20-7	203-372-4	Di(2-ethylhexyl)-amin	0.1 - < 1 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = 956 mg/kg; oral: LD50 = 847-1149 mg/kg Aquatic Chronic 1; H410: M=1	

## Further Information

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General information

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps. First aider:

Pay attention to self-protection!

Symptoms can occur only after several hours.

## After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

## After contact with skin

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist.

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**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting.

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

No information available.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Water fog. Extinguishing powder. Carbon dioxide. Foam.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated:

Carbon dioxide (CO<sub>2</sub>).

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**For non-emergency personnel**

Special danger of slipping by leaking/spilling product.

**For emergency responders**

Self-protection of the first aider Remove affected person from the danger area and lay down. Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

**6.3. Methods and material for containment and cleaning up**

**For containment**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

**6.4. Reference to other sections**

Disposal: see section 13

**SECTION 7: Handling and storage**

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**7.1. Precautions for safe handling**

**Advice on safe handling**

- Avoid oil mist
- Use only in well-ventilated areas.
- When using do not eat, drink or smoke.

**Further information on handling**

- High slip hazard because of leaking or spilled product.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

- Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
- Recommended storage temperature: 5-40 °C

**Hints on joint storage**

- Keep away from food, drink and animal feedingstuffs.
- Maximum period of storage (time): 3

**Further information on storage conditions**

- Protect from sunlight. Store in a well-ventilated place.

**7.3. Specific end use(s)**

- Observe technical data sheet.
- Reserved for industrial and professional use.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts			
Worker DNEL, long-term	inhalation	systemic	35,26 mg/m³	
Worker DNEL, long-term	dermal	systemic	25 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	8,7 mg/m³	
Consumer DNEL, long-term	dermal	systemic	12,5 mg/kg bw/day	
Consumer DNEL, long-term	dermal	local	0,518 mg/cm²	
Consumer DNEL, long-term	oral	systemic	2,5 mg/kg bw/day	
126-71-6	Triisobutyl phosphate			
Worker DNEL, long-term	inhalation	systemic	50 mg/m³	
Worker DNEL, long-term	dermal	systemic	4,25 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	8,89 mg/m³	
Consumer DNEL, long-term	dermal	systemic	2,13 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	2,13 mg/kg bw/day	
29385-43-1	Methyl-1H-benzotriazole			
Worker DNEL, long-term	inhalation	systemic	21,2 mg/m³	
Worker DNEL, long-term	dermal	systemic	0,3 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	<0,1 mg/m³	
Consumer DNEL, long-term	dermal	systemic	0,01 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,01 mg/kg bw/day	
106-20-7	Di(2-ethylhexyl)-amin			
Worker DNEL, long-term	inhalation	systemic	1,76 mg/m³	
Worker DNEL, long-term	dermal	systemic	0,25 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	0,435 mg/m³	
Consumer DNEL, long-term	dermal	systemic	0,125 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	0,125 mg/kg bw/day	

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## PNEC values

CAS No	Substance	
Environmental compartment		Value
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts	
Freshwater		0,1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		45211 mg/kg
Marine sediment		45211 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		36739 mg/kg
126-71-6	Triisobutyl phosphate	
Freshwater		0,014 mg/l
Marine water		0,001 mg/l
Freshwater sediment		2,05 mg/kg
Marine sediment		0,205 mg/kg
Micro-organisms in sewage treatment plants (STP)		3,72 mg/l
Soil		0,426 mg/kg
29385-43-1	Methyl-1H-benzotriazole	
Freshwater		0,008 mg/l
Marine water		< 0,008 mg/l
Freshwater sediment		0,117 mg/kg
Marine sediment		0,292 mg/kg
Micro-organisms in sewage treatment plants (STP)		39,4 mg/l
Soil		< 0,001 mg/kg
106-20-7	Di(2-ethylhexyl)-amin	
Freshwater		0,001 mg/l
Marine water		0 mg/l
Freshwater sediment		43,6 mg/kg
Marine sediment		4,36 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,8 mg/l
Soil		0,2 mg/kg

## Additional advice on limit values

To date, no national critical limit values exist.

## 8.2. Exposure controls



## Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

## Eye/face protection

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**Hand protection**

Protect skin by using skin protective cream.  
Wash hands before breaks and after work.

**Skin protection**

Chemical resistant safety shoes. Take off immediately all contaminated clothing.  
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state:	Metal cutting paste
Colour:	yellow brown
Odour:	characteristic

**Test method**

pH-Value:	not applicable
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**Changes in the physical state**

Boiling point or initial boiling point and boiling range:	not determined
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Flash point:	250 °C DIN ISO 2592
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Auto-ignition temperature:	350 °C ASTM E 659
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Vapour pressure:	not determined
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Density (at 20 °C):	1 g/cm³ DIN EN ISO 12185
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Viscosity / kinematic: (at 40 °C)	not determined
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**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No known hazardous reactions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Protect against: heat.

**10.5. Incompatible materials**

The following must be prevented: Oxidizing agents, strong. acid.

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#### 10.6. Hazardous decomposition products

Hazardous decomposition products: none

### SECTION 11: Toxicological information

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

##### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Data apply to the main component.

##### Acute toxicity

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

##### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 5000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts				
	oral	LD50 10000-20000 mg/kg	Rat	ECHA	
	dermal	LD50 2000 mg/kg	Rat	ECHA	
126-71-6	Triisobutyl phosphate				
	oral	LD50 5000 mg/kg	Rat	ECHA	
	dermal	LD50 5000 mg/kg	Rabbit	ECHA	
29385-43-1	Methyl-1H-benzotriazole				
	oral	LD50 720 mg/kg	Rat		OECD Guideline 401
	dermal	LD50 > 2000 mg/kg	Rabbit		OECD Guideline 402
106-20-7	Di(2-ethylhexyl)-amin				
	oral	LD50 847-1149 mg/kg	Rat	ECHA	
	dermal	LD50 956 mg/kg	Rabbit		Union Carbide 1968
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			

##### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

##### Sensitising effects

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

Contains Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts, Triisobutyl phosphate. May produce an allergic reaction.

##### Carcinogenic/mutagenic/toxic effects for reproduction



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Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**Additional information on tests**

No risks worthy of mention. Practical experience.

The statement is derived from the properties of the single components.

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

**11.2. Information on other hazards****Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**SECTION 12: Ecological information****12.1. Toxicity**

The statement is derived from the properties of the components.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		OECD 203
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		OECD 202
	Algae toxicity	NOEC > 1000 mg/l	3 d	Scenedesmus subspicatus		OECD 201
	Acute bacteria toxicity	EC50 >10000 mg/l ( )				
29385-43-1	Methyl-1H-benzotriazole					
	Acute fish toxicity	LC50 > 180 mg/l	96 h	Brachydanio rerio	Echa	OECD guideline 203
	Acute algae toxicity	ErC50 75 mg/l	72 h	freshwater algae		OECD 201 guideline
	Acute crustacea toxicity	EC50 100 mg/l	48 h	Daphnia Magna		OECD 202 test guideline
	Fish toxicity	NOEC 30 mg/l	2 d	Acartia tonsa		
	Algae toxicity	NOEC 30 mg/l	3 d	Alge		
	Crustacea toxicity	NOEC 18,4 mg/l	21 d	Wasserfloh		
	Acute bacteria toxicity	EC50 330 mg/l ( )				
106-20-7	Di(2-ethylhexyl)-amin					
	Acute fish toxicity	LC50 < 5 mg/l	96 h	Danio rerio	Echa	
	Acute algae toxicity	ErC50 1,55 mg/l	96 h	freshwater algae		
	Acute crustacea toxicity	EC50 2,2 mg/l	48 h	Daphnia magna		
	Algae toxicity	NOEC 0,14 mg/l	4 d	freshwater algae		
	Crustacea toxicity	NOEC 0,0069 mg/l	21 d	Daphnia magna		OECD 211

**12.2. Persistence and degradability**

Product is not easily biodegradable.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts			
	RA_CAS 70024-69-0, OECD 301D	8,0%	28	
	Not easily bio-degradable (according to OECD-criteria).			
126-71-6	Triisobutyl phosphate			
	OECD Guideline 301 B	70-80%	28	
	Easily biodegradable (concerning to the criteria of the OECD)			
29385-43-1	Methyl-1H-benzotriazole			
	OECD TG 301 F	4 %	28	
	Not readily biodegradable (according to OECD criteria)			

**12.3. Bioaccumulative potential**

No information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
1471316-72-9	Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts	6,91
126-71-6	Triisobutyl phosphate	3,72
29385-43-1	Methyl-1H-benzotriazole	1,079
106-20-7	Di(2-ethylhexyl)-amin	7,3

**12.4. Mobility in soil**

in delivery condition: viscous

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of contents/container to an appropriate recycling or disposal facility. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Non-contaminated packages may be recycled.

**List of Wastes Code - residues/unused products**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled.

**SECTION 14: Transport information**

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## Land transport (ADR/RID)

<b>14.1. UN number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	No dangerous good in sense of these transport regulations.

## Inland waterways transport (ADN)

<b>14.1. UN number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	No dangerous good in sense of these transport regulations.

## Marine transport (IMDG)

<b>14.1. UN number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

## Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number:</b>	No dangerous good in sense of these transport regulations.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of these transport regulations.
<b>14.4. Packing group:</b>	-

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75

Directive 2010/75/EU on industrial emissions: 0,0 g/L

Directive 2004/42/EC on VOC in paints and varnishes: 0,0 %

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts

Methyl-1H-benzotriazole

## SECTION 16: Other information

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**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,11,13,15,16.

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

**Abbreviations and acronyms**

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road )

RID: Regulations concerning the international carriage of dangerous goods by rail

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

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

VOC: Volatile Organic Compounds

SVHC: Substance of Very High Concern

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H360F	May damage fertility.
H361d	Suspected of damaging the unborn child.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, di-C10-C14-alkyl derivs., calcium salts, Triisobutyl phosphate. May produce an allergic reaction.

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EUH210

Safety data sheet available on request.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*