### Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 05/10/2019 Revision date: 05/06/2019 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Snowflake Water SL-5AN, SL-5AN-CON, SL-20AN, SL-200AN

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category :

1.2.2. Uses advised against

Restrictions on use : No information available

### 1.3. Details of the supplier of the safety data sheet

Manufacturer Importer

ANTARI LIGHTING AND EFFECTS LTD

8,Lane 231, Nankan, Rd, Sec.1,Luchu,Tao Yuan City,Taiwan

33859

T 03-322-5829#318 - F 03-322-0433

### 1.4. Emergency telephone number

Emergency number : 0933-108-913

### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category H318

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Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

Causes serious eye damage.

### 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

GHS05

Signal word (CLP) : Danger

Hazard statements (CLP) : H318 - Causes serious eye damage

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338+P310 - 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 or doctor/physician

### 2.3. Other hazards

Other hazards not contributing to the

classification

: No information available.

### **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

### 3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS-No.) 7732-18-5 (EC-No.) 231-791-2	76	Not classified
Ethyl alcohol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5	5	Flam. Liq. 2, H225
D-Glucopyranose, oligomeric, decyl octyl glycosides	(CAS-No.) 68515-73-1 (EC-No.) 500-220-1	4.75	Eye Dam. 1, H318
Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt	(CAS-No.) 9004-82-4	4.75	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Glycerin	(CAS-No.) 56-81-5 (EC-No.) 200-289-5	3.8	Not classified
Sodium gluconate	(CAS-No.) 527-07-1 (EC-No.) 208-407-7	3.68	Not classified
1-Dodecanamine, N,N-dimethyl-, N-oxide	(CAS-No.) 1643-20-5 (EC-No.) 216-700-6	1.9	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Dimethylol-5,5-dimethylhydantoin	(CAS-No.) 6440-58-0 (EC-No.) 229-222-8	0.1	Acute Tox. 4 (Oral), H302
3(2H)-Isothiazolone, 2-methyl-	(CAS-No.) 2682-20-4 (EC-No.) 220-239-6	0.02	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

### **Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

: Call a poison center or a doctor if you feel unwell. First-aid measures after ingestion

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

Symptoms/effects after skin contact : Causes mild skin irritation. Symptoms/effects after eye contact : Serious damage to eyes.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### **SECTION 5: Fire-fighting measures**

### Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : No information available.

### Special hazards arising from the substance or mixture

Hazardous decomposition products in case of : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

**Emergency procedures** : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

: Do not attempt to take action without suitable protective equipment. For further information Protective equipment

refer to section 8: "Exposure controls/personal protection".

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### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal

protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ethyl alcohol (64-17-5)		
Austria	MAK (mg/m³)	1900 mg/m³
Austria MAK (ppm)		1000 ppm
Austria MAK Short time value (mg/m³)		3800 mg/m³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m³)	1907 mg/m³
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m³)	1000 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1900 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	1000 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	1900 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m³)	1000 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	500 ppm
Estonia	OEL STEL (mg/m³)	1900 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m³)	1900 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
France	VME (mg/m³)	1900 mg/m³
France	VME (ppm)	1000 ppm
France	VLE (mg/m³)	9500 mg/m³
France	VLE (ppm)	5000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	960 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m³)	1900 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Hungary	AK-érték	1900 mg/m³
Hungary	CK-érték	7600 mg/m <sup>3</sup>

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Intelled	Ethyl alcohol (64-17-5)		
Lativania         DEL TWA (mgm²)         1000 mgm²           Lithuania         IPRV (mgm²)         1000 mgm²           Lithuania         IPRV (ppm)         500 ppm           Lithuania         TPRV (ppm)         500 ppm           Lithuania         TPRV (mgm²)         1900 mgm²           Lithuania         TPRV (ppm)         1000 ppm           Netherlands         Greenswarder TGG 18MIN (mgm²)         1900 mgm²           Netherlands         Greenswarder TGG 18MIN (mgm²)         1900 mgm²           Portugal         OEL TWA (ppm)         1900 mgm²           Portugal         OEL TWA (ppm)         1900 mgm²           Romania         OEL TWA (ppm)         1900 mgm²           Romania         OEL STEL (pmgm²)         5000 ppm           Slovakia         NPHV (prienmena) (mg/m²)         5000 ppm           Slovakia         NPHV (prienmena) (mg/m²)         500 ppm           Slovakia         NPHV (prienmena) (mg/m²)         1920 mgm²           Slovakia         NPHV (prienmena) (mg/m²)         1920 mg/m²<	• ,	OFI (15 min ref) (ppm)	1000 ppm
Lithuania         IPRV (mg/m²)         1000 mg/m²           Lithuania         IPRV (ppm)         500 ppm           Lithuania         IPRV (mg/m²)         1900 mg/m²           Lithuania         TPRV (ppm)         1900 mg/m²           Nethoriands         Grenswarder TGG 15MIN (mg/m²)         1900 mg/m²           Netheriands         Grenswarder TGG 15MIN (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (ppm)         1900 ppm           Romania         OEL TWA (mg/m²)         1900 mg/m²           Romania         OEL TWA (mg/m²)         5000 mg/m²           Romania         OEL STEL (ppm)         5000 ppm           Slovakia         NPHV (pienemaná) (mg/m²)         5000 mg/m²           Slovakia         NPHV (pienemaná) (mg/m²)         1900 mg/m²           Slovakia         NPHV (pienemaná) (mg/m²)			1.1
Lithuania         IPRV (ppm)         500 ppm           Lithuania         TPRV (mg/m²)         1900 mg/m²           Lithuania         TPRV (ppm)         1900 mg/m²           Lithuania         TPRV (ppm)         1900 mg/m²           Natherlands         Grenswaarde TGG BMM (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (ppm)         1900 mg/m²           Romania         OEL TWA (ppm)         1900 mg/m²           Romania         OEL TWA (ppm)         1900 mg/m²           Romania         OEL STEL (pmg/m²)         9800 mg/m²           Romania         OEL STEL (pmg/m²)         9800 mg/m²           Slovakia         NPHV (pieneman) (ppm)         9800 mg/m²           Slovakia         NPHV (pieneman) (ppm)         9800 mg/m²           Slovakia         NPHV (pieneman) (ppm)         9900 mg/m²           Slovakia         NPHV (pieneman) (ppm)         1900 mg/m² </td <td></td> <td>, <u> </u></td> <td></td>		, <u> </u>	
Lithuania         TPRV (mg/m²)         1900 mg/m²           Lithuania         TPRV (pm)         1000 ppm           Netherlands         Grenswaarde TGG 15MlN (mg/m²)         280 mg/m²           Netherlands         Grenswaarde TGG 15MlN (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (ppm)         1000 ppm           Romania         OEL TWA (mg/m²)         1900 mg/m²           Romania         OEL STEL (mg/m²)         9500 mg/m²           Slovakia         NPHV (prienemá) (mg/m²)         960 mg/m²           Slovakia         NPHV (prienemá) (mg/m²)         1920 mg/m²           Slovakia         NPHV (prienemá) (mg/m²)         1920 mg/m²           Slovakia         NPHV (prienemá) (mg/m²)         1900 mg/m²           Slovakia         NPHV (prienemá) (mg/m²)         1900 mg/m²           Slovakia         NPHV (malcal, (mg/m²)         1900 mg/m²           Slovakia         NPHV (prienemá)         1900 mg/m²           Slovakia         NPHV (prienemá) <t< td=""><td></td><td>` ` ` '</td><td></td></t<>		` ` ` '	
Lithuania         TPRV (ppm)         1000 ppm           Netherlands         Grenswaarde TGG 8H (mg/m²)         220 mg/m²           Netherlands         Grenswaarde TGG 15MIN (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (mg/m²)         1900 mg/m²           Romania         OEL TWA (ppm)         1900 mg/m²           Romania         OEL STEL (mg/m²)         9900 mg/m²           Romania         OEL STEL (ppm)         5000 ppm           Romania         OEL STEL (ppm)         5000 ppm           Stovakia         NPHV (priemená) (mg/m²)         990 mg/m²           Stovakia         NPHV (priemená) (mg/m²)         1920 mg/m²           Stovakia         NPHV (priemená) (mg/m²)         1920 mg/m²           Stovenia         OEL TWA (mg/m²)         1900 mg/m²           Stovenia         OEL TWA (mg/m²)         1900 mg/m²           Stovenia         OEL STEL (mg/m²)         7600 mg/m²           Stovenia         OEL STEL (ppm)         4000 ppm           Stovenia         OEL STEL (ppm)         1000 mg/m²           Stovenia         OEL STEL (ppm)         1000 mg/m²           Spain         VLA-EC (mg/m²)         1900 mg/m²			· · ·
Netherlands         Grenswaarde TGG 8H (mg/m²)         280 mg/m²           Netherlands         Grenswaarde TGG 15MIN (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (pgm)         1900 mg/m²           Romania         OEL TWA (pgm)         1000 ppm           Romania         OEL STEL (mg/m²)         950 mg/m²           Romania         OEL STEL (mg/m²)         950 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         950 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         950 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         1920 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         1900 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         1900 mg/m²           Slovakia         NPHV (priememá) (mg/m²)         1900 mg/m²           Slovakia         OEL TWA (mg/m²)         1900 mg/m²           Slovakia	Lithuania	TPRV (mg/m³)	1900 mg/m³
Netherlands         Genewaarde TGG 15MIN (mg/m²)         1900 mg/m²           Poland         NDS (mg/m²)         1900 mg/m²           Portugal         OEL TWA (ppm)         1000 ppm           Romania         OEL TWA (ppm)         1900 mg/m²           Romania         OEL TWA (ppm)         1900 mg/m²           Romania         OEL STEL (mg/m²)         5000 mg/m²           Romania         OEL STEL (mg/m²)         5000 mg/m²           Slovakia         NPHV (priemená) (mg/m²)         960 mg/m²           Slovakia         NPHV (priemená) (mg/m²)         960 mg/m²           Slovakia         NPHV (Hraintaí) (mg/m²)         1920 mg/m²           Slovania         OEL TWA (mg/m²)         1900 mg/m²           Slovania         OEL TWA (ppm)         1900 mg/m²           Slovania         OEL TEL (mg/m²)         7600 mg/m²           Slovania         OEL STEL (mg/m²)         4000 ppm           Spain         VLA-EC (mg/m²)         1910 mg/m²           Spain         VLA-EC (mg/m²)         1000 mg/m²           Sweden         n'avgariansvarde (NVG) (mg/m²)         1000 mg/m²           Sweden         kortidavarde (KTV) (mg/m²)         1900 mg/m²           Sweden         kortidavarde (KTV) (mg/m²)         1900 mg/m² <td>Lithuania</td> <td>TPRV (ppm)</td> <td>1000 ppm</td>	Lithuania	TPRV (ppm)	1000 ppm
Polatida   NDS (mgm²)   1900 mg/m²   1900	Netherlands	Grenswaarde TGG 8H (mg/m³)	260 mg/m³
Portugal         OEL TWA (ppm)         1000 ppm           Romania         OEL TWA (mg/m²)         1900 mg/m³           Romania         OEL TWA (mg/m²)         1900 mg/m³           Romania         OEL STEL (mg/m²)         9800 mg/m³           Romania         OEL STEL (ppm)         5000 ppm           Slovakia         NPHV (priemerná) (mg/m²)         960 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         960 mg/m³           Slovakia         NPHV (Hranicha) (mg/m²)         1900 mg/m³           Slovakia         OEL TWA (ppm)         1000 ppm           Slovakia         OEL STEL (mg/m²)         1000 ppm           Slovakia         OEL STEL (mg/m²)         1000 ppm           Spain         VLA-EC (mg/m²)         1000 ppm			
Romania         OEL TWA (npm)         1900 mg/m²           Romania         OEL TWA (ppm)         1000 ppm           Romania         OEL STEL (mgm²)         9500 mg/m³           Romania         OEL STEL (ppm)         5000 ppm           Slovakia         NPHV (priemerná) (mg/m²)         960 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         960 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1920 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1920 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1900 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1920 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1900 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1900 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1900 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1000 mg/m³           Slovakia         NPHV (priemerná) (mg/m²)         1900 mg/m³           Spai	Poland	NDS (mg/m³)	1900 mg/m³
Romania         OEL TWA (ppm)         9500 mgm³           Romania         OEL STEL (mgm³)         9500 mgm³           Romania         OEL STEL (ppm)         5000 ppm           Slovakia         NPHV (priememá) (mgm³)         960 mgm³           Slovakia         NPHV (priememá) (mgm²)         1920 mgm³           Slovakia         NPHV (priememá) (mgm²)         1920 mgm³           Slovenia         OEL TWA (mgm²)         1990 mgm³           Slovenia         OEL TWA (ppm)         1000 ppm           Slovenia         OEL STEL (mgm²)         7600 mgm³           Slovenia         OEL STEL (mgm²)         4000 ppm           Slovenia         OEL STEL (mgm²)         1910 mgm³           Slovenia         OEL STEL (mgm²)         4000 ppm           Spain         VLA-EC (mgm²)         1910 mgm³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivágriansvárde (NVG) (ppm)         500 ppm           Sweden         kortidsvárde (KTV) (mgm²)         1900 mgm²           Sweden         kortidsvárde (KTV) (ppm)         1900 mgm²           United Kingdom         WEL TWA (ppm)         1900 mgm²           United Kingdom         WEL STEL (ppm)         3000 ppm           Un	Portugal	OEL TWA (ppm)	* *
Romania         OEL STEL (rpg/m²)         5500 mg/m³           Romania         OEL STEL (ppm)         5600 ppm           Slovakia         NPHV (priememâ) (mg/m³)         960 mg/m³           Slovakia         NPHV (priememâ) (mg/m²)         500 ppm           Slovakia         NPHV (priememâ) (mg/m²)         1920 mg/m³           Slovenia         OEL TWA (mg/m²)         1900 mg/m³           Slovenia         OEL STEL (mg/m²)         7600 mg/m³           Slovenia         OEL STEL (mg/m²)         7600 mg/m³           Slovenia         OEL STEL (mg/m²)         1910 mg/m³           Slovenia         OEL STEL (mg/m²)         1910 mg/m³           Slovenia         OEL STEL (mg/m²)         1900 mg/m³           Slovenia         OEL STEL (mg/m²)         1900 mg/m³           Slovenia         OEL STEL (mg/m²)         1900 mg/m³           Sweden         n/vajcriansvärde (NVG) (mg/m²)         1900 mg/m³           Sweden         n/vajcriansvärde (NVG) (mg/m²)         1900 mg/m³           Sweden         kortidsvärde (KTV) (mg/m²)         1900 mg/m³           United Kingdom         WEL TWA (mg/m²)         1900 mg/m³           United Kingdom         WEL TWA (mg/m²)         1000 ppm           United Kingdom         WEL STEL (pmm)			•
Romania         OEL STEL (ppm)         5000 ppm           Slovakia         NPHV (priemerná) (ng/m³)         960 mg/m³           Slovakia         NPHV (priemerná) (ppm)         500 ppm           Slovakia         NPHV (Hraničná) (mg/m²)         1920 mg/m³           Slovenia         OEL TWA (mg/m²)         1900 mg/m³           Slovenia         OEL TWA (ppm)         1000 ppm           Slovenia         OEL STEL (mg/m²)         7600 mg/m³           Slovenia         OEL STEL (mg/m²)         4000 ppm           Spain         VLA-EC (mg/m²)         1910 mg/m²           Spain         VLA-EC (ppm)         1000 ppm           Spain         VLA-EC (ppm)         1000 mg/m²           Sweden         nivágránsvárde (NVG) (mg/m²)         1000 mg/m²           Sweden         kortidsvárde (KTV) (mg/m²)         1900 mg/m³           Sweden         kortidsvárde (KTV) (mg/m²)         1900 mg/m³           Sweden         kortidsvárde (KTV) (mg/m²)         1900 mg/m³           United Kingdom         WEL TWA (mg/m²)         1920 mg/m²           United Kingdom         WEL TWA (mg/m²)         5760 mg/m² (acloulated)           United Kingdom         WEL STEL (mg/m²)         5760 mg/m² (acloulated)           United Kingdom         WEL ST		,	* *
Slovakia         NPHV (priemerná) (mg/m²)         960 mg/m³           Slovakia         NPHV (priemerná) (ppm)         500 ppm           Slovakia         NPHV (Hraničná) (mg/m³)         1920 mg/m³           Slovenia         OEL TWA (ppm)         1900 mg/m³           Slovenia         OEL STEL (mg/m³)         7600 mg/m³           Slovenia         OEL STEL (ppm)         4000 ppm           Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (ppm)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 mg/m³           Sweden         nivägränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivägränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (value calculated)           Norway <td></td> <td>1 - 1</td> <td></td>		1 - 1	
Slovakia         NPHV (priemerná) (ppm)         500 ppm           Slovakia         NPHV (Hranicha) (mg/m³)         1920 mg/m³           Slovenia         OEL TWA (mg/m³)         1900 mg/m³           Slovenia         OEL TWA (ppm)         1000 mg/m³           Slovenia         OEL STEL (mg/m³)         7600 mg/m³           Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (mg/m³)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 mg/m³           Sweden         nivägränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivägränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL TWA (mg/m³)         950 mg/m³           United Kingdom         WEL TWA (mg/m³)         950 mg/m³           Norway         Grenseverdier (kn) (mg/m³)         950 mg/m³           Norway         Grensever		5 5 5	**
Slovakia         NPHV (Hraničná) (mg/m²)         1920 mg/m²           Slovenia         OEL TWA (mg/m²)         1900 mg/m²           Slovenia         OEL TWA (ppm)         1000 ppm           Slovenia         OEL STEL (mg/m³)         7600 mg/m³           Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (pgm³)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)		" ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
Slovenia   OEL TWA (mg/m²)   1900 mg/m²   1900 mg/m²   1900 mg/m²   1900 ppm   1910 mg/m²   1900 ppm   1900 mg/m²   1900 mg/m²		, , , ,	
Slovenia         OEL TWA (ppm)         1000 ppm           Slovenia         OEL STEL (mg/m³)         7600 mg/m³           Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (mg/m³)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         Nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (mg/m³)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m² (calculated)           United Kingdom         WEL STEL (mg/m³)         5760 mg/m² (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Kortidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Switzerland         MAK (mg/m²)         990 mg/m³           Switzerland         MAK (mg/m²)         1920 mg/m³           Switzerl	Slovakia	NPHV (Hraničná) (mg/m³)	
Slovenia         OEL STEL (mg/m³)         7600 mg/m³           Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (mg/m²)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (KTV) (mg/m³)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         950 mg/m³ (calculated)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Kortidsverd) (mg/m³)         1187.5 mg/m² (value calculated)           Norway         Grenseverdier (Kortidsverd) (ppm)         605 ppm (value calculated)           Switzerland         MAK (mg/m³) <td>Slovenia</td> <td>OEL TWA (mg/m³)</td> <td>1900 mg/m³</td>	Slovenia	OEL TWA (mg/m³)	1900 mg/m³
Slovenia         OEL STEL (ppm)         4000 ppm           Spain         VLA-EC (ppm)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivägränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivägränsvärde (KTV) (mg/m³)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m²)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m²)         5760 mg/m² (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Norway         Grenseverdier (AN) (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (KN) (ppm)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switze	Slovenia	OEL TWA (ppm)	1000 ppm
Spain         VLA-EC (mg/m³)         1910 mg/m³           Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (ppm)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m²)         5760 mg/m² (calculated)           United Kingdom         WEL STEL (mg/m²)         5760 mg/m² (vapor)           United Kingdom         WEL STEL (mg/m²)         3000 ppm (calculated)           United Kingdom         WEL STEL (mg/m²)         950 mg/m² (vapor)           Norway         Grenseverdier (AN) (mg/m²)         950 mg/m³           Norway         Grenseverdier (AN) (mg/m²)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m² (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         600 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³ <td>Slovenia</td> <td>OEL STEL (mg/m³)</td> <td>7600 mg/m³</td>	Slovenia	OEL STEL (mg/m³)	7600 mg/m³
Spain         VLA-EC (ppm)         1000 ppm           Sweden         nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m3)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (mg/m³) <td>Slovenia</td> <td>OEL STEL (ppm)</td> <td>4000 ppm</td>	Slovenia	OEL STEL (ppm)	4000 ppm
Sweden         nivågränsvärde (NVG) (mg/m³)         1000 mg/m³           Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1990 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Norway         Grenseverdier (AN) (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (Kortidsverdi) (mg/m³)         500 ppm           Norway         Grenseverdier (Kortidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         KZGW (mg/m³)         1920 mg/m³           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (mg/m³)	Spain	VLA-EC (mg/m³)	1910 mg/m³
Sweden         nivågränsvärde (NVG) (ppm)         500 ppm           Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (mg/m³)         1000 mg/m³ (vapor)           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (mg/m³)         3000 ppm (calculated)           United Kingdom         WEL STEL (mg/m³)         3000 ppm (calculated)           Well STEL (mg/m³)         950 mg/m³ (vapor)         4000 mg/m³           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³         4000 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)         4000 mg/m³           Switzerland         MAK (mg/m³)         960 mg/m³         960 mg/m³         960 mg/m³           Switzerl	Spain		1000 ppm
Sweden         kortidsvärde (KTV) (mg/m³)         1900 mg/m³           Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (mg/m³)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Kortidsverdi) (mg/m3)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Kortidsverdi) (ppm)         625 ppm (value calculated)           Norway         Grenseverdier (Kortidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         MAK (ppm)         1920 mg/m³           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP	Sweden	nivågränsvärde (NVG) (mg/m³)	1000 mg/m <sup>3</sup>
Sweden         kortidsvärde (KTV) (ppm)         1000 ppm           United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (mg/m³)         1880 mg/m³           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (mg/m³)         1880 mg/m³           Quanda (Quebec)         VE	Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
United Kingdom         WEL TWA (mg/m³)         1920 mg/m³           United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 pm (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 pm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (mg/m³)	Sweden	kortidsvärde (KTV) (mg/m³)	1900 mg/m³
United Kingdom         WEL TWA (ppm)         1000 ppm           United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m3)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³	Sweden	kortidsvärde (KTV) (ppm)	1000 ppm
United Kingdom         WEL STEL (mg/m³)         5760 mg/m³ (calculated)           United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3000 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)	United Kingdom	WEL TWA (mg/m³)	1920 mg/m³
United Kingdom         WEL STEL (ppm)         3000 ppm (calculated)           Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (ppm)         1000 ppm           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (mg/m³)	-		
Russian Federation         OEL TWA (mg/m³)         1000 mg/m³ (vapor)           Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	-		
Norway         Grenseverdier (AN) (mg/m³)         950 mg/m³           Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m³)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         KZGW (mg/m³)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			
Norway         Grenseverdier (AN) (ppm)         500 ppm           Norway         Grenseverdier (Korttidsverdi) (mg/m3)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         KZGW (mg/m³)         500 ppm           Switzerland         KZGW (ppm)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - AGGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³		, ,	
Norway         Grenseverdier (Korttidsverdi) (mg/m3)         1187.5 mg/m³ (value calculated)           Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Norway	Grenseverdier (AN) (mg/m³)	950 mg/m³
Norway         Grenseverdier (Korttidsverdi) (ppm)         625 ppm (value calculated)           Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Norway	Grenseverdier (AN) (ppm)	500 ppm
Switzerland         MAK (mg/m³)         960 mg/m³           Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Norway	Grenseverdier (Korttidsverdi) (mg/m3)	1187.5 mg/m³ (value calculated)
Switzerland         MAK (ppm)         500 ppm           Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Norway	Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Switzerland         KZGW (mg/m³)         1920 mg/m³           Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Switzerland	MAK (mg/m³)	960 mg/m³
Switzerland         KZGW (ppm)         1000 ppm           Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	Switzerland	MAK (ppm)	
Australia         TWA (mg/m³)         1880 mg/m³           Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³		· • · · · · · · · · · · · · · · · · · ·	
Australia         TWA (ppm)         1000 ppm           Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			
Canada (Quebec)         VEMP (mg/m³)         1880 mg/m³           Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			· ·
Canada (Quebec)         VEMP (ppm)         1000 ppm           USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			
USA - ACGIH         ACGIH STEL (ppm)         1000 ppm           USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			•
USA - IDLH         US IDLH (ppm)         3300 ppm (10% LEL)           USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³	` '	***	* *
USA - NIOSH         NIOSH REL (TWA) (mg/m³)         1900 mg/m³           USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³			
USA - NIOSH         NIOSH REL (TWA) (ppm)         1000 ppm           USA - OSHA         OSHA PEL (TWA) (mg/m³)         1900 mg/m³		W 1 /	
, , , , , , , , , , , , , , , , , , ,		, ,, <del>,</del> ,	1000 ppm
USA - OSHA OSHA PEL (TWA) (ppm) 1000 ppm	USA - OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
	USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

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Glycerin (56-81-5)		
Belgium Limit value (mg/m³)		10 mg/m³ (mist)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (mg/m³)	10 mg/m³
Estonia	OEL TWA (mg/m³)	10 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	20 mg/m³
France	VME (mg/m³)	10 mg/m³ (aerosol)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	200 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Greece	OEL TWA (mg/m³)	10 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ (mist)
Ireland	OEL (15 min ref) (mg/m3)	30 mg/m³ (calculated-mist)
Poland	NDS (mg/m³)	10 mg/m³ (inhalable fraction)
Portugal	OEL TWA (mg/m³)	10 mg/m³ (mist)
Spain	VLA-ED (mg/m³)	10 mg/m³ (mist)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (mist)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated-mist)
Switzerland	MAK (mg/m³)	50 mg/m³ (inhalable dust)
Switzerland	KZGW (mg/m³)	100 mg/m³ (inhalable dust)
Australia	TWA (mg/m³)	10 mg/m³ (containing no asbestos and <1% crystalline silica-inhalable dust, mist)
Canada (Quebec)	VEMP (mg/m³)	10 mg/m³ (mist)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (mist, total particulate) 5 mg/m³ (mist, respirable fraction)
3(2H)-Isothiazolone, 2-meth	yl- (2682-20-4)	
Austria	MAK (mg/m³)	0.05 mg/m³
Switzerland	MAK (mg/m³)	0.2 mg/m³ (inhalable dust)

### 8.2. Exposure controls

### Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Environmental exposure controls:

Avoid release to the environment.

### **SECTION 9: Physical and chemical properties**

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

Physical state : Liquid

Colour: No data availableOdour: No data availableOdour threshold: No data available

pH : 8.0-9.0

Relative evaporation rate (butylacetate=1) : No data available

Melting point : Not applicable

Freezing point : No data available

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Boiling point	:	No data available
Flash/Fire point	:	95℃/95℃
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### **SECTION 11: Toxicological information**

11.1	Information	on toxicolo	gical effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

Poly(oxy-1,2-ethanediyl), .alphasulfoomega	a(dodecyloxy)-, sodium salt (9004-82-4)
LD50 oral rat	1600 mg/kg

Glycerin (56-81-5)	
LD50 oral rat	12600 mg/kg
LD50 dermal rabbit	> 10 g/kg
LC50 inhalation rat (mg/l)	> 570 mg/m³ (Exposure time: 1 h)

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Dimethylol-5,5-dimethylhydantoin (6440-58-0)			
LD50 oral rat	2 a/ka		

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not classified

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Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified

STOT-single exposure : Not classified STOT-repeated exposure : Not classified Aspiration hazard : Not classified

## **SECTION 12:** Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

Ethyl alcohol (64-17-5)		
LC50 fish 1 12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])		
LC50 fish 2 > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])		
EC50 Daphnia 1 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)  EC50 Daphnia 2 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
		Glycerin (56-81-5)
LC50 fish 1 51 - 57 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])		

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

Ethyl alcohol (64-17-5)	
Log Pow	-0.32
Glycerin (56-81-5)	
BCF fish 1	(no bioaccumulation)
Log Pow	-1.76

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(es)					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available					

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#### 14.6. Special precautions for user

### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

### - Air transport

Not applicable

### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### **SECTION 15: Regulatory information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. **EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. **National regulations**

#### Germany

: Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, VwVwS Annex reference

Annex 4)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BlmSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

### **Netherlands**

SZW-lijst van kankerverwekkende stoffen

: Ethyl alcohol is listed

SZW-lijst van mutagene stoffen

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Borstvoeding

: Ethyl alcohol is listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Vruchtbaarheid

: Ethyl alcohol is listed

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Ontwikkeling

: Ethyl alcohol is listed

### Denmark

Recommendations Danish Regulation

: Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the

product

#### 15.2. **Chemical safety assessment**

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Indication of changes:

Not applicable.

Abbreviations and acronyms:

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
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association

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IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

Data sources : Loli. ECHA reference.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging

and in line with the expectations of a professional user.

Other information : None.

### Full text of H- and EUH-statements:

Acute toxicity (dermal), Category 3	
Acute toxicity (oral), Category 3	
Acute toxicity (oral), Category 4	
Hazardous to the aquatic environment — Acute Hazard, Category 1	
Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Serious eye damage/eye irritation, Category 1	
Serious eye damage/eye irritation, Category 2	
Flammable liquids, Category 2	
Skin corrosion/irritation, Category 1B	
Skin corrosion/irritation, Category 2	
Skin sensitisation, Category 1	
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
Highly flammable liquid and vapour	
Toxic if swallowed	
Harmful if swallowed	
Toxic in contact with skin	
Causes severe skin burns and eye damage	
Causes skin irritation	
May cause an allergic skin reaction	
Causes serious eye damage	
Causes serious eye irritation	
May cause respiratory irritation	
Very toxic to aquatic life	
Toxic to aquatic life with long lasting effects	

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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