

Ramsauer GmbH & Co KG  
5350 Strobl / Wolfgangsee

Date printed 02.04.2024, Revision 02.04.2024

Version 4.0. Supersedes version: 3.0

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

### 1.1 Product identifier

**Anker Kleber 680, Comp. A**

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

#### 1.2.1 Relevant uses

Adhesive

#### 1.2.2 Uses advised against

None known.

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

#### Company

Ramsauer GmbH & Co KG  
Alte Bundesstraße 147  
5350 Strobl / Wolfgangsee / AUSTRIA  
Phone +43 (0)6135 8205 0  
Fax +43 (0)6135 8205-250  
Homepage [www.ramsauer.eu](http://www.ramsauer.eu)  
E-mail [office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Address enquiries to

#### Technical information

[office@ramsauer.eu](mailto:office@ramsauer.eu)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

+43 (0) 1 406 43 43 (24h)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Sens. 1: H317 May cause an allergic skin reaction.  
STOT SE 3: H335 May cause respiratory irritation.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Methacrylic acid, monoester with Propan-1,2-diole  
Ethylene dimethacrylate

#### Hazard statements

H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.

#### Precautionary statements

P261 Avoid breathing vapours.  
P280 Wear protective gloves.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container in accordance with local/national regulation.

### 2.3 Other hazards

#### Human health dangers

Persons already sensitised to methacrylates may develop allergic reactions when using this product.

#### Environmental hazards

Does not contain any PBT or vPvB substances.  
Contains no ingredients with endocrine-disrupting properties.

#### Other hazards

Further hazards were not determined with the current level of knowledge.

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### SECTION 3: Composition / Information on ingredients

#### 3.1 Substances

not applicable

#### 3.2 Mixtures

The product is a mixture.

Range [%]	Substance
50 - <80	Quartz (SiO <sub>2</sub> ) CAS: 14808-60-7, EINECS/ELINCS: 238-878-4
10 - <30	Ethylene dimethacrylate CAS: 97-90-5, EINECS/ELINCS: 202-617-2, EU-INDEX: 607-114-00-5, Reg-No.: 01-2119965172-38-XXXX GHS/CLP: STOT SE 3: H335 - Skin Sens. 1: H317 - Aquatic Chronic 3: H412 SCL [%]: >= 10: STOT SE 3: H335
5 - <10	Methacrylic acid, monoester with Propan-1,2-diole CAS: 27813-02-1, EINECS/ELINCS: 248-666-3, Reg-No.: 01-2119490226-37-XXXX GHS/CLP: Eye Irrit. 2: H319 - Skin Sens. 1: H317
0 - <1	1,1'-(p-Tolylimino)dipropan-2-ol CAS: 38668-48-3, EINECS/ELINCS: 254-075-1, Reg-No.: 01-2119980937-17-XXXX GHS/CLP: Acute Tox. 2: H300 - Eye Irrit. 2: H319 - Aquatic Chronic 3: H412

#### Comment on component parts

For full text of H-statements: see SECTION 16.  
The quartz in this preparation is not available on foreseeable use.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

##### Skin contact

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

##### Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

##### Ingestion

Get medical advice.  
Rinse out mouth and give plenty of water to drink.

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

Irritant effects  
Allergic reactions

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

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Carbon dioxide.  
Dry powder.  
Water spray jet.

##### Extinguishing media that must not be used

Full water jet  
Foam.

#### 5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:  
Carbon monoxide (CO)

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### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Fire residues must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

High risk of slipping due to leakage/spillage of product.

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

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

Take up mechanically.

Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).

Dispose of absorbed material in accordance within the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Take off contaminated clothing and wash before reuse.

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

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

Keep only in original container.

Prevent penetration into the ground.

Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.

Keep container tightly closed.

Keep in a cool place. Store in a dry place.

Store in a dark place.

Recommended storage temperature: 5 - 30 °C

Protect from heat/overheating and from sun.

storage class (TRGS 510)

Storage class 11 (VCI)

### 7.3 Specific end use(s)

See product use, SECTION 1.2

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

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored DE (TRGS 900)**

not relevant

**Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)**

not relevant

**DNEL**

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Industrial, inhalative, Long-term - systemic effects, 264.5 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 4.2 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 2.5 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 8.8 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 2.5 mg/kg bw/day
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
Industrial, inhalative, Long-term - systemic effects, 2,47 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 700 µg/kg bw/day
general population, oral, Long-term - systemic effects, 250 µg/kg bw/day
Ethylene dimethacrylate, CAS: 97-90-5
Industrial, inhalative, Long-term - systemic effects, 2,45 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 1,3 mg/kg bw/d
general population, dermal, Long-term - systemic effects, 0,83 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,83 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 1,45 mg/m <sup>3</sup>

**PNEC**

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
sewage treatment plants (STP), 10 mg/L
sediment (freshwater), 6.28 mg/kg
sediment (seawater), 6.28 mg/kg
soil, 0.727 mg/kg
freshwater, 0.904 mg/L
seawater, 0.904 mg/L
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
sediment (freshwater), 163 µg/kg sediment dw
sediment (seawater), 16,3 µg/kg sediment dw
soil, 22,6 µg/kg soil dw
freshwater, 0,017 mg/l
seawater, 0,0017 mg/l
sewage treatment plants (STP), 199,5 mg/l
Ethylene dimethacrylate, CAS: 97-90-5
freshwater, 139 µg/l
seawater, 13,9 µg/l
sewage treatment plants (STP), 57 mg/l
sediment (freshwater), 1,6 mg/kg dw

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sediment (seawater), 0,16 mg/kg dw

soil, 239 µg/kg dw

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	safety glasses (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,45 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing (EN 340)
<b>Other</b>	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Form	pasty
Color	light beige
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	not determined
Flash point [°C]	not applicable
Flammability	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidising properties	not determined
Vapour pressure/gas pressure [kPa]	not determined
Density [g/cm <sup>3</sup> ]	1,60 - 1,80
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	not determined
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

See SECTION 7.2.

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#### 10.5 Incompatible materials

Strong oxidizing agent.

#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

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

**Acute oral toxicity** Based on available data, the classification criteria are not met.

Product
ATE-mix, oral, Rat, 2000 - 5000 mg/kg
Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LD50, oral, Rat, 11200 mg/kg
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
LD50, oral, Rat, 25 - 200 mg/kg
Ethylene dimethacrylate, CAS: 97-90-5
LD50, oral, Rat, 8300 mL/kg bw

**Acute dermal toxicity** Based on available data, the classification criteria are not met.

Product
dermal, Based on the available information, the classification criteria are not fulfilled.
Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LD50, dermal, Rabbit, > 5000 mg/kg
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
LD50, dermal, Rat, >2000 mg/kg
Ethylene dimethacrylate, CAS: 97-90-5
LD50, dermal, Rat, > 2000 mg/kg bw

**Acute inhalational toxicity** Based on available data, the classification criteria are not met.

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.

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

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Rabbit, in vivo, irritant
Ethylene dimethacrylate, CAS: 97-90-5
Eye, Rabbit, In vivo study, non-irritating

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

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
Rabbit, in vivo, non-irritating
Ethylene dimethacrylate, CAS: 97-90-5
dermal, Rabbit, In vivo study, non-irritating

**Respiratory or skin sensitisation** May cause an allergic skin reaction.

Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1



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dermal, Human, in vivo (non-LLNA), patch test, sensitising

dermal, mouse, in vivo (LLNA), OECD 429, non-sensitizing

Ethylene dimethacrylate, CAS: 97-90-5

dermal, mouse, OECD 406, sensitising

**Specific target organ toxicity — single exposure** — May cause respiratory irritation.

Substance

Ethylene dimethacrylate, CAS: 97-90-5

positive

**Specific target organ toxicity — repeated exposure** — Based on available data, the classification criteria are not met.

Substance

Ethylene dimethacrylate, CAS: 97-90-5

NOAEL, oral, Rat, 100 mg/kg bw/day, OECD 422, negativ

**Mutagenicity** — Does not contain a relevant substance that meets the classification criteria.

Substance

Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1

Chinese hamster, in vitro gene mutation study in mammalian cells, OECD 476, negativ

Drosophila melanogaster, genetic toxicity in vivo, SMART, negativ

Ethylene dimethacrylate, CAS: 97-90-5

OECD 471, negativ

**Reproduction toxicity** — Does not contain a relevant substance that meets the classification criteria.

**- Fertility**

Substance

Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1

NOAEL, oral, Rat, 300 mg/kg bw/day (P0) (OECD 422)

NOAEL, oral, Rat, 1000 mg/kg bw/day (F1)(OECD 422)

Ethylene dimethacrylate, CAS: 97-90-5

NOAEL, parenteral, Rat, 100 mg/kg bw/day, OECD 422, negativ

**- Development**

Substance

Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1

NOAEL, oral, Rat, 300 mg/kg bw/day (P0) (OECD 422)

NOAEL, oral, Rat, 1000 mg/kg bw/day (F1)(OECD 422)

Ethylene dimethacrylate, CAS: 97-90-5

NOAEL, parenteral, Rat, 100 mg/kg bw/day, OECD 422, negativ

**Carcinogenicity** — Does not contain a relevant substance that meets the classification criteria.

Substance

Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1

no adverse effect observed

Ethylene dimethacrylate, CAS: 97-90-5

NOAEL, oral, mouse, 1500 mg/kg bw/day, In vivo study, negativ

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

**General remarks**

Toxicological data of complete product are not available.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties** Contains no ingredients with endocrine-disrupting properties.

**11.2.2 Other information** none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Methacrylic acid, monoester with Propan-1,2-diole, CAS: 27813-02-1
LC50, (48h), <i>Leuciscus idus</i> , 493 mg/l (DIN 38412)
EC50, (48h), <i>Daphnia magna</i> , 380 mg/l (OECD 202)
EC50, (72h), <i>Pseudokirchneriella subcapitata</i> , 97,2 mg/l (OECD 201)
1,1'-(p-Tolylimino)dipropan-2-ol, CAS: 38668-48-3
LC50, (96h), fish, 17 mg/l
EC50, (72h), Algae, 245 mg/l
EC50, (48h), <i>Daphnia magna</i> , 28,8 mg/l
Ethylene dimethacrylate, CAS: 97-90-5
LC50, (96h), <i>Danio rerio</i> , 15,95 mg/l (OECD 203)
EC50, (48h), <i>Daphnia magna</i> , 44,9 mg/l
EC50, (72h), Algae, 17,3 mg/l

**12.2 Persistence and degradability**

**Behaviour in environment compartments** not determined

**Behaviour in sewage plant** not determined

**Biological degradability** not determined

**12.3 Bioaccumulative potential**

not determined

**12.4 Mobility in soil**

not applicable

**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**12.7 Other adverse effects**

Ecological data of complete product are not available.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Coordinate disposal with the disposal contractor/authorities if necessary.  
Dispose of as hazardous waste.

**Waste no. (recommended)** 080409\*

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)** 150110\* packaging containing residues of or contaminated by hazardous substances  
150102

### SECTION 14: Transport information

#### 14.1 UN number or ID number

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

#### 14.2 UN proper shipping name

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

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#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

#### 14.7 Maritime transport in bulk according to IMO instruments

not applicable

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## SECTION 15: Regulatory information

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

<b>EEC-REGULATIONS</b>	2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- <b>Comment on component parts</b>	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- <b>Annex I (REACH)</b>	The product is not subject to Annex I restrictions.
- <b>Annex XIV (REACH)</b>	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq$ 0.1% that are subject to authorisation.
- <b>Annex XVII (REACH)</b>	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq$ 0.1% of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
<b>NATIONAL REGULATIONS (DE):</b>	Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- <b>Water hazard class</b>	2, conf. AwSV, 18.04.2017
- <b>Decree for case of interference, observe limits</b>	not applicable
- <b>Class. according to TA-Luft</b>	5.2.5.
<b>Storage class (TRGS 510)</b>	Storage class 11 (VCI)
- <b>Observe employment restrictions for people</b>	Observe employment restrictions for young people.
- <b>VOC (2010/75/CE)</b>	0 %
- <b>Other regulations</b>	DGUV Information 213-070: Säuren und Laugen (Merkblatt M 004 der Reihe „Gefahrstoffe“) TRGS 510: Storage of hazardous substances in non-stationary containers TRGS 907: Verzeichnis sensibilisierender Stoffe.

### 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H300 Fatal if swallowed.  
H412 Harmful to aquatic life with long lasting effects.  
H335 May cause respiratory irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)

### Modified position

1.3, 3.2, 6.1, 8.1, 9.1, 11.1, 11.2, 12.6, 12.7, 15.1, 16.2, 16.3

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