

# Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))

## VERNIS TD 20 PB

Regulation (EU) n. 2020/878

Safety Data Sheet date: 2/9/2024, version 1

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

#### 1.1. Product identifier

Trade name: VERNIS TD 20 PB  
SDS code: 103275AEU  
UFI: ODYE-HM12-HK9N-020Q

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

Recommended use:  
Industrial uses  
Hardener

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

##### Manufacturers:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France  
-Tel. +33 (0)2 97 43 76 90

Manufacturing - Parc Gohelis - 56250 ELVEN France - Tel +33 (0)2 97 43 76 83 - Fax +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

##### Distributors:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France  
-Tel. +33 (0)2 97 43 76 90

Manufacturing - Parc Gohelis - 56250 ELVEN France - Tel +33 (0)2 97 43 76 83 - Fax +33 (0)2 97 54 50 26

Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

##### Competent person responsible for the safety data sheet:

msdsinformation-eu@socomore.com

#### 1.4. Emergency telephone number





France : ORFILA (INRS) +33 (0)1 45 42 59 59  
International : CHEMTEL +1-813-248-0585.

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### EC regulation criteria 1272/2008 (CLP)

-  Warning, Flam. Liq. 3, Flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Danger, Eye Dam. 1, Causes serious eye damage.
-  Warning, STOT SE 3, May cause respiratory irritation.

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 Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

**2.2. Label elements**

Hazard pictograms:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/... if you feel unwell.

P370+P378 In case of fire: Use dry sand, chemical powder or alcohol-resistant foam for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

Special Provisions:

EUH208 Contains Amines- polyéthylènepoly-- fraction de triéthylènetétramine. May produce an allergic reaction.

Contains

Fatty acids- C18-unsatd.- dimers- polymeric reaction products with tall-oil fatty acid reaction mass of ethylbenzene and xylene

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

**2.3. Other hazards**

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$

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

**3.1. Substances**

N.A.

























**3.2. Mixtures**

Hazardous components within the meaning of the CLP regulation and related classification:











Qty	Name	Ident. Number	Classification
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>= 40% - < 50%	Fatty acids- C18-unsatd.- dimers- polymeric reaction products with tall-oil fatt	CAS: 68082-29-1	 3.3/1 Eye Dam. 1 H318
>= 30% - < 40%	reaction mass of ethylbenzene and xylene	CAS: 1330-20-7 EC: 905-588-0 REACH No.: 01-21194882 16-32	 2.6/3 Flam. Liq. 3 H226  3.10/1 Asp. Tox. 1 H304  3.1/4/Dermal Acute Tox. 4 H312  3.1/4/Inhal Acute Tox. 4 H332  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335  3.9/2 STOT RE 2 H373 4.1/C3 Aquatic Chronic 3 H412 Acute Toxicity Estimate: ATE - Dermal 1100 mg/kg bw ATE - Inhalation (Vapours) 11 mg/l
>= 10% - < 12.5%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-21194574 35-35	 2.6/3 Flam. Liq. 3 H226  3.8/3 STOT SE 3 H336 Acute Toxicity Estimate: ATE - Oral 3739 mg/kg bw ATE - Dermal 2001 mg/kg bw ATE - Inhalation (Vapours) 30,02 mg/l
>= 7% - < 10%	ethylbenzene	Index number: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH No.: 01-21194893 70-35	 2.6/2 Flam. Liq. 2 H225  3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319 4.1/C3 Aquatic Chronic 3 H412  3.1/4/Inhal Acute Tox. 4 H332  3.9/2 STOT RE 2 H373 (hearing organs)  3.10/1 Asp. Tox. 1 H304 Acute Toxicity Estimate: ATE - Inhalation (Vapours) 11 mg/l
>= 0.5% - < 1%	toluene	Index number: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 REACH No.: 01-21194713 10-51	 2.6/2 Flam. Liq. 2 H225  3.7/2 Repr. 2 H361d  3.10/1 Asp. Tox. 1 H304  3.9/2 STOT RE 2 H373  3.2/2 Skin Irrit. 2 H315  3.8/3 STOT SE 3 H336 4.1/C3 Aquatic Chronic 3 H412
>= 0.3% - < 0.5%	Amines- polyéthylènepoly--	CAS: 90640-67-8 EC: 292-588-2	 3.1/4/Oral Acute Tox. 4 H302

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	fraction de triéthylènetétramine	REACH No.: 01-21194879 19-13	 3.1/4/Dermal Acute Tox. 4 H312  3.2/1B Skin Corr. 1B H314  3.3/1 Eye Dam. 1 H318  3.4.2/1 Skin Sens. 1 H317  4.1/C3 Aquatic Chronic 3 H412
>= 0.001% - < 0.1%	Cumene	Index number: 601-024-00-X CAS: 98-82-8 EC: 202-704-5	 2.6/3 Flam. Liq. 3 H226  3.6/1B Carc. 1B H350  3.10/1 Asp. Tox. 1 H304  3.8/3 STOT SE 3 H335  4.1/C2 Aquatic Chronic 2 H411

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show the packing or label.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Foam.

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

Dry powder

Extinguishing media which must not be used for safety reasons:

High power water jet

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

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Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.

#### 5.3. Advice for firefighters

Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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### SECTION 6: Accidental release measures

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

Wear personal protection equipment.  
Remove all sources of ignition.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.  
Provide adequate ventilation.  
Use appropriate respiratory protection.  
See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suitable material for taking up: absorbing material, organic, sand

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

Wash with plenty of water.

#### 6.4. Reference to other sections

See also section 8 and 13

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Use localized ventilation system.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.  
See also section 8 for recommended protective equipment.  
Advice on general occupational hygiene:  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.

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

Always keep in a well ventilated place.  
Store at ambient temperatures. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Cool and adequately ventilated.

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

None in particular

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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#### Occupational exposure limit values

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

- OEL Type: National - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: France VLEC - TMP N° 4Bis, 84

- OEL Type: National - TWA(8h): 440 mg/m<sup>3</sup>, 100 ppm - Notes: Germany - DFG, H

- OEL Type: National - TWA(8h): 220 mg/m<sup>3</sup>, 50 ppm - STEL: 441 mg/m<sup>3</sup>, 100 ppm - Notes: UK (WELs)

- OEL Type: EU - TWA(8h): 221 mg/m<sup>3</sup>, 50 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

- OEL Type: National - TWA: 435 mg/m<sup>3</sup>, 100 ppm - STEL: 870 mg/m<sup>3</sup>, 200 ppm - Notes: Swiss - SUVA

- OEL Type: National - TWA: 221 mg/m<sup>3</sup>, 50 ppm - STEL(15min (Miw)): 442 mg/m<sup>3</sup>, 100 ppm - Notes: Österreich

- OEL Type: National - TWA: 221 mg/m<sup>3</sup>, 50 ppm - Notes: TWA:Poland

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

- OEL Type: National - TWA(8h): 188 mg/m<sup>3</sup>, 50 ppm - STEL: 375 mg/m<sup>3</sup>, 100 ppm - Behaviour: Binding - Notes: France VLEC - INRS TMP N°84

- OEL Type: National - TWA: 370 mg/m<sup>3</sup>, 100 ppm - Notes: Germany

- OEL Type: National - TWA: 180 mg/m<sup>3</sup> - STEL: 360 mg/m<sup>3</sup> - Notes: Poland

- OEL Type: EU - TWA(8h): 375 mg/m<sup>3</sup>, 100 ppm - STEL: 563 mg/m<sup>3</sup>, 150 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr

- OEL Type: National - TWA: 187 mg/m<sup>3</sup>, 50 ppm - STEL(15min (Miw)): 187 mg/m<sup>3</sup>, 50 ppm - Notes: Austria

- OEL Type: National - TWA(8h): 375 mg/m<sup>3</sup>, 100 ppm - STEL(15min (Miw)): 560 mg/m<sup>3</sup>, 150 ppm - Notes: United Kingdom - Skin

- OEL Type: National - TWA(8h): 188 mg/m<sup>3</sup>, 50 ppm - STEL: 375 mg/m<sup>3</sup>, 100 ppm - Notes: Canada (Gazette Officielle du Québec, January 4, 2023, Vol. 155, No.1)

- OEL Type: National - TWA: 180 mg/m<sup>3</sup>, 50 ppm - Notes: Norway (skin)

- OEL Type: DOW IHG - TWA: 1.5 ppm - STEL: 4.5 ppm

ethylbenzene - CAS: 100-41-4

- OEL Type: National - TWA(8h): 88.4 mg/m<sup>3</sup>, 20 ppm - Notes: Germany - EU, H

- OEL Type: National - TWA(8h): 88.4 mg/m<sup>3</sup>, 20 ppm - STEL: 442 mg/m<sup>3</sup>, 100 ppm - Notes: France VLEC - TMP N° 84

- OEL Type: National - TWA(8h): 441 mg/m<sup>3</sup>, 100 ppm - STEL: 552 mg/m<sup>3</sup>, 125 ppm - Notes: UK (WELs)

- OEL Type: EU - TWA(8h): 442 mg/m<sup>3</sup>, 100 ppm - STEL: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin

- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff; CNS impair

- OEL Type: National - STEL: 220 mg/m<sup>3</sup> - Notes: Swiss

- OEL Type: MAK - TWA: 440 mg/m<sup>3</sup>, 100 ppm - STEL(5 min (Mow)): 880 mg/m<sup>3</sup>, 200 ppm - Notes: Österreich

toluene - CAS: 108-88-3

- OEL Type: National - TWA(8h): 190 mg/m<sup>3</sup> - Notes: Germany - DFG, H, Y

- OEL Type: National - TWA(8h): 76.8 mg/m<sup>3</sup>, 20 ppm - STEL(15min (Miw)): 384 mg/m<sup>3</sup>, 100 ppm - Behaviour: Binding - Notes: France VLEC - TMP N° 4bis, 84 ; peau

- OEL Type: EU - TWA(8h): 192 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin

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- OEL Type: National - TWA: 191 mg/m<sup>3</sup>, 50 ppm - STEL: 384 mg/m<sup>3</sup>, 100 ppm - Notes: UK (WELs)
- OEL Type: ACGIH - TWA(8h): 20 ppm - Notes: OTO; A4; BEI - CNS, visual & hearing impair; female repro system eff; pregnancy loss
- OEL Type: MAK - TWA: 190 mg/m<sup>3</sup>, 50 ppm - STEL(15min (Miw)): 380 mg/m<sup>3</sup>, 100 ppm - Notes: Osterreich
- Cumene - CAS: 98-82-8
  - OEL Type: EU - TWA(8h): 50 mg/m<sup>3</sup>, 10 ppm - STEL: 250 mg/m<sup>3</sup>, 50 ppm - Notes: Skin
  - OEL Type: ACGIH - TWA(8h): 5 ppm - Notes: A3 - URT adenoma, neurological eff
  - OEL Type: National - TWA(8h): 50 mg/m<sup>3</sup>, 10 ppm - STEL(15min (Miw)): 250 mg/m<sup>3</sup>, 50 ppm - Behaviour: Binding - Notes: France, VLEPC / peau
  - OEL Type: National - TWA: 50 mg/m<sup>3</sup> - STEL: 250 mg/m<sup>3</sup> - Notes: Poland (Skin / skóra)

#### DNEL Exposure Limit Values

- reaction mass of ethylbenzene and xylene - CAS: 1330-20-7
  - Worker Industry: 77 mg/m<sup>3</sup> - Consumer: 14.8 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
  - Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, local effects
  - Worker Industry: 289 mg/m<sup>3</sup> - Consumer: 174 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
  - Worker Industry: 180 mg/kg b.w./day - Consumer: 108 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - Consumer: 1.6 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
  - Worker Industry: 369 mg/m<sup>3</sup> - Consumer: 43.9 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
  - Worker Industry: 50.6 mg/kg b.w./day - Consumer: 18.1 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - Consumer: 3.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects
  - Worker Industry: 553.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term (acute)
- ethylbenzene - CAS: 100-41-4
  - Worker Industry: 77 mg/m<sup>3</sup> - Consumer: 15 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
  - Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
  - Worker Industry: 180 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - Worker Industry: 293 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects
- toluene - CAS: 108-88-3
  - Worker Professional: 384 mg/m<sup>3</sup> - Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
  - Worker Professional: 192 mg/m<sup>3</sup> - Consumer: 56.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
  - Worker Professional: 180 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
  - Consumer: 8.13 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects



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Worker Professional: 384 mg/m<sup>3</sup> - Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects

Amines- polyéthylène poly-- fraction de triéthylènetétramine - CAS: 90640-67-8  
 Worker Industry: 1 mg/m<sup>3</sup> - Consumer: 0.29 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 5380 mg/m<sup>3</sup> - Consumer: 1600 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 0.028 mg/cm<sup>2</sup> - Consumer: 0.43 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Long Term, local effects  
 Consumer: 0.25 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
 Consumer: 8 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Short Term, systemic effects  
 Consumer: 1 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Short Term, local effects  
 Consumer: 0.41 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects  
 Consumer: 20 mg/kg b.w./day - Exposure: Human Oral - Frequency: Short Term, systemic effects

#### PNEC Exposure Limit Values

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7  
 Target: Fresh Water - Value: 0.327 mg/l  
 Target: Water (intermittent discharge) - Value: 0.327 mg/l  
 Target: Marine water - Value: 0.327 mg/l  
 Target: Sewage treatment plant - Value: 6.58 mg/l  
 Target: Freshwater sediments - Value: 12.46 mg/kg  
 Target: Marine water sediments - Value: 12.46 mg/kg  
 Target: Soil - Value: 2.31 mg/kg

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2  
 Target: Fresh Water - Value: 10 mg/l  
 Target: Freshwater sediments - Value: 41.6 mg/kg  
 Target: Marine water sediments - Value: 4.17 mg/kg  
 Target: Soil (agricultural) - Value: 2.47 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 100 mg/l  
 Target: Marine water - Value: 1 mg/l  
 Target: Water (intermittent discharge) - Value: 100 mg/l

ethylbenzene - CAS: 100-41-4  
 Target: Marine water - Value: 0.01 mg/l - Notes:: factor assessment : 10  
 Target: Marine water - Value: 0.1 mg/l - Notes:: factor assessment : 18  
 Target: PNEC predator - Value: 2.68 mg/kg - Notes:: ECHA

toluene - CAS: 108-88-3  
 Target: Fresh Water - Value: 0.68 mg/l  
 Target: Freshwater sediments - Value: 16.39 mg/kg  
 Target: Soil (agricultural) - Value: 2.89 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 13.61 mg/l

Amines- polyéthylène poly-- fraction de triéthylènetétramine - CAS: 90640-67-8  
 Target: Fresh Water - Value: 190 µg/l  
 Target: Marine water - Value: 38 µg/l  
 Target: Intermittent discharge - Value: 200 µg/l  
 Target: Sewage treatment plant - Value: 4.25 mg/l  
 Target: Freshwater sediments - Value: 95.5 mg/kg dw  
 Target: Marine water sediments - Value: 19.2 mg/kg dw  
 Target: Soil - Value: 19.1 mg/kg dw



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Target: Oral (secondary poisoning) (foodstuff) - Value: 0.18 mg/kg dw

#### Biological Exposure Index

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Remark: ACGIH BEL (2009)

Remark: FR IBE (1997)

#### **8.2. Exposure controls**

See below, example of PPE to use.

##### Eye protection:

Use close fitting safety goggles, don't use eye lens.

##### Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

##### Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

##### Respiratory protection:

Use respiratory protection where ventilation is insufficient or exposure is prolonged.

##### Thermal Hazards:

None

##### Environmental exposure controls:

None

##### Appropriate engineering controls:

None

##### Other conditions affecting workers exposure:

None

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

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

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Colourless	--	--
Odour:	de solvant/solvent-like	--	--
Melting point/freezing point:	Not Relevant	--	--
Boiling point or initial boiling point and boiling range:	>36°C	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point (°C):	~23°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	Not Relevant	--	--
pH:	Not Relevant	--	--
Kinematic viscosity:	> 20,5 mm <sup>2</sup> /sec (40 °C)	--	--

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Solubility in water:	immiscible	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	<1.000 hPa (50°C)	--	--
Density and/or relative density:	~0.92 g/cm <sup>3</sup> (23°C)	--	--
Relative vapour density:	N.A.	--	--

Particle characteristics:

Particle size:	N.A.	--	--
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9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	>20.6 mm <sup>2</sup> /s (40°C)	--	--

Volatile Organic compounds - VOCs = 54 %

Volatile Organic compounds - VOCs = 496.8 g/l

N.A. = not available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

None

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

Strong oxidizers.

**10.6. Hazardous decomposition products**

None.

**SECTION 11: Toxicological information**

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

Toxicological information of the product:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Dermal 3123,23 mg/kg bw

ATEmix - Inhalation (Vapours) 26,0269 mg/l

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

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Not classified  
Based on available data, the classification criteria are not met

Carcinogenicity  
Not classified  
Based on available data, the classification criteria are not met

Reproductive toxicity  
Not classified  
Based on available data, the classification criteria are not met

STOT-single exposure  
The product is classified: STOT SE 3 H335

STOT-repeated exposure  
The product is classified: STOT RE 2 H373

Aspiration hazard  
Not classified  
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:  
reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Acute toxicity  
ATE - Dermal 1100 mg/kg bw  
ATE - Inhalation (Vapours) 11 mg/l  
Test: LD50 - Route: Skin = 1100 mg/kg  
Test: LC50 - Route: Inhalation Vapour = 11 mg/l

Carcinogenicity:  
Test: NOAEL - Route: Oral - Species: Rat > 500 mg/kg bw/day

Reproductive toxicity:  
Test: NOAEC - Route: Inhalation - Species: Rat = 500 ppm - Notes: fertilité/fertility  
Test: NOAEC - Route: Inhalation - Species: Rat = 100 ppm - Notes: développement/développement

Aspiration hazard:  
= 0.812 cP - Notes: @20°C

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Acute toxicity  
ATE - Oral 3739 mg/kg bw  
ATE - Dermal 2001 mg/kg bw  
ATE - Inhalation (Vapours) 30,02 mg/l  
Test: LD50 - Route: Oral - Species: Rat (male) = 3739 mg/kg - Source: OECD 401  
Test: LD50 - Route: Oral - Species: Rat (female) = 4277 mg/kg - Source: OECD 401  
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h  
Test: LC50 - Route: Inhalation Vapour - Species: Rat (Male, female) = 30.02 mg/l - Duration: 4h - Source: OECD 403  
Test: ATE - Route: Oral = 3739 mg/kg  
Test: ATE - Route: Inhalation Vapour = 30.02 mg/l - Duration: 4h

ethylbenzene - CAS: 100-41-4

Acute toxicity  
ATE - Inhalation (Vapours) 11 mg/l  
Test: LD50 - Route: Skin - Species: Rabbit = 4100 mg/kg  
Test: LD50 - Route: Oral - Species: Rat = 3500 mg/kg  
Test: LC50 - Route: Inhalation - Species: Rat > 20 mg/l - Duration: 4h  
Test: LCLO - Route: Inhalation - Species: Rat = 4000 ppm - Duration: 4h

toluene - CAS: 108-88-3

Acute toxicity:  
Test: LD50 - Route: Oral - Species: Rat = 5580 mg/kg  
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

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Test: LC50 - Route: Inhalation Vapour - Species: Rat = 28.1 mg/l - Duration: 4h  
Amines- polyéthylène poly-- fraction de triéthylènetétramine - CAS: 90640-67-8  
STOT-repeated exposure:  
Test: NOAEL - Route: Oral - Species: Rat (Male, female) = 50 mg/kg - Duration: 26 weeks - Notes: Subchronic

#### 11.2. Information on other hazards

Endocrine disrupting properties:  
No endocrine disruptor substances present in concentration  $\geq 0.1\%$

Other toxicological information:

reaction mass of ethylbenzene and xylene

Skin contact:

Irritating effect

Ingestion:

Ingestion may cause irritation of the digestive tract, nausea, vomiting and diarrhea, abdominal pain.

Harmful by inhalation.

-

toluene

Skin contact:

Irritating effect

Eye contact:

Irritating effect

Inhalation of high concentration of vapours may cause irritation of the respiratory system.

Inhalation of high concentration vapours causes a narcotic reaction on the central nervous system, and severe lung damage.

Ingestion may cause irritation of the digestive tract, nausea, vomiting and diarrhea, abdominal pain.

Risk of central nervous system depression.

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## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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The product is classified: Aquatic Chronic 3 - H412

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: IC50 - Species: Aquatic invertebrates = 1 mg/kg/d - Duration h: 24 - Notes: Daphnia magna

Endpoint: EC50 - Species: Aquatic plants = 2.2 mg/l - Duration h: 73 - Notes:

Pseudokirchneriella subcapitata

Endpoint: NOEC - Species: activated sludge = 157 mg/l - Duration h: 3

Endpoint: NOEC - Species: Fish > 1.3 mg/l - Duration h: 1344 - Notes: Oncorhynchus mykiss

Endpoint: NOAEL - Species: Aquatic invertebrates = 1.17 mg/l - Duration h: 168 - Notes:

Ceriodaphnia dubia

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50

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Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50

Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 1.37 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia < 4.4 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish > 1 mg/l

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 134 mg/l - Duration h: 3 - Notes: Chlorella vulgaris

Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 5.5 mg/l - Duration h: 96 - Notes: Oncorhynchus kisutch

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.74 mg/l - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: NOEC - Species: Algae = 10 mg/l - Duration h: 72 - Notes: Skeletonema costatum

Endpoint: EC50 - Species: Daphnia = 3.23 mg/l - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: LOEC

- Species: Daphnia = 2.76 mg/kg/d - Duration h: 168 - Notes: Ceriodaphnia dubia

Endpoint: NOEC - Species: Fish = 1.39 mg/l - Duration h: 960 - Notes: Oncorhynchus kisutch

Endpoint: LOEC

- Species: Fish = 2.77 mg/l - Duration h: 960 - Notes: Oncorhynchus kisutch

c) Bacteria toxicity:

Endpoint: NOEC - Species: bacteria = 29 mg/l - Duration h: 16 - Notes: pseudomonas putida

Amines- polyéthylène poly-- fraction de triéthylène tétramine - CAS: 90640-67-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 330 mg/l - Duration h: 96 - Notes: EPA OTS 797.1400 ;  
Pimephales promelas

Endpoint: EC50 - Species: Aquatic invertebrates = 31.1 mg/l - Duration h: 48 - Notes:  
Directive 67/548/CEE, Annexe V, C.2. ; Daphnia magna

Endpoint: EC50r - Species: Aquatic plants = 20 mg/l - Duration h: 72 - Notes: OECD 201 ;  
Selenastrum capricornutum

Endpoint: EC50 - Species: Microorganisms = 800 mg/l - Duration h: 0.5 - Activated sludge

b) Aquatic chronic toxicity:

Endpoint: EC10 - Species: Aquatic invertebrates = 1.9 mg/l - Duration h: 504 - Notes: OECD  
102 ; Daphnia magna

#### 12.2. Persistence and degradability

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Biodegradability: Readily biodegradable

toluene - CAS: 108-88-3

Biodegradability: Readily biodegradable - Duration: 14 days - %: 100

Amines- polyéthylène poly-- fraction de triéthylène tétramine - CAS: 90640-67-8

Biodegradability: Non-readily biodegradable - Test: OECD 301D - Duration: 162 days - %: 0  
%

Biodegradability: Biological oxygen demand (BOD) - %: 1940 mg/g

#### 12.3. Bioaccumulative potential

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Log Pow 0.37

ethylbenzene - CAS: 100-41-4

Log Kow 3.15

toluene - CAS: 108-88-3

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BCF 90

Log Pow 2.65

Amines- polyéthylène-poly-- fraction de triéthylènetétramine - CAS: 90640-67-8

Log Pow - Test: OECD 117 -2.65 - Notes: 20°C

#### 12.4. Mobility in soil

reaction mass of ethylbenzene and xylene - CAS: 1330-20-7

Log Koc 2.73 - Notes: @20-25°C

Volatility (H: Henry's Law Constant) 623-665 Pa m<sup>3</sup>/mol - Notes: @25°C

Surface tension 29.76 mN/m - Notes: @25°C

Amines- polyéthylène-poly-- fraction de triéthylènetétramine - CAS: 90640-67-8

Log Koc - Test: OECD 106 1584.9 - 5012

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

vPvB Substances: None - PBT Substances: None

#### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

#### 12.7. Other adverse effects

No harmful effects expected.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

08 01 11\* wastes of paint and varnish containing organic solvents or other dangerous substances

### SECTION 14: Transport information



#### 14.1. UN number or ID number

ADR-UN Number: 1263

IATA-UN Number: 1263

IMDG-UN Number: 1263

#### 14.2. UN proper shipping name

ADR-Shipping Name: PAINT RELATED MATERIAL

IATA-Shipping Name: PAINT RELATED MATERIAL

IMDG-Shipping Name: PAINT RELATED MATERIAL

#### 14.3. Transport hazard class(es)

ADR-Class: 3

ADR - Hazard identification number: 30

IATA-Class: 3

IATA-Label: 3

IMDG-Class: 3

#### 14.4. Packing group

ADR-Packing Group: III

IATA-Packing group: III

IMDG-Packing group: III

#### 14.5. Environmental hazards

ADR-Environmental Pollutant: No

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IMDG-Marine pollutant: No  
 IMDG-EmS: F-E , S-E

#### 14.6. Special precautions for user

ADR-Subsidiary hazards: -  
 ADR-S.P.: 163 367 650  
 ADR-Transport category (Tunnel restriction code): 3 (D/E)  
 IATA-Passenger Aircraft: 355  
 IATA-Subsidiary hazards: -  
 IATA-Cargo Aircraft: 366  
 IATA-S.P.: A3 A72 A192  
 IATA-ERG: 3L  
 IMDG-Subsidiary hazards: -  
 IMDG-Stowage and handling: Category A  
 IMDG-Segregation: -  
 Q.L.: 5L  
 Q.E.: E1

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

N.A.

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## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)  
 Dir. 2000/39/EC (Occupational exposure limit values)  
 Regulation (EC) n. 1907/2006 (REACH)  
 Regulation (EC) n. 1272/2008 (CLP)  
 Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
 Regulation (EU) n. 286/2011 (ATP 2 CLP)  
 Regulation (EU) n. 618/2012 (ATP 3 CLP)  
 Regulation (EU) n. 487/2013 (ATP 4 CLP)  
 Regulation (EU) n. 944/2013 (ATP 5 CLP)  
 Regulation (EU) n. 605/2014 (ATP 6 CLP)  
 Regulation (EU) n. 2015/1221 (ATP 7 CLP)  
 Regulation (EU) n. 2016/918 (ATP 8 CLP)  
 Regulation (EU) n. 2016/1179 (ATP 9 CLP)  
 Regulation (EU) n. 2017/776 (ATP 10 CLP)  
 Regulation (EU) n. 2018/669 (ATP 11 CLP)  
 Regulation (EU) n. 2018/1480 (ATP 13 CLP)  
 Regulation (EU) n. 2019/521 (ATP 12 CLP)  
 Regulation (EU) n. 2020/217 (ATP 14 CLP)  
 Regulation (EU) n. 2020/1182 (ATP 15 CLP)  
 Regulation (EU) n. 2021/643 (ATP 16 CLP)  
 Regulation (EU) n. 2021/849 (ATP 17 CLP)  
 Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3  
 Restriction 40

Restrictions related to the substances contained:

Restriction 30  
 Restriction 48



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#### Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):  
N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):  
N.A.

N.A.

Where applicable, refer to the following regulatory provisions :

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)

Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

Product belongs to category: P5c

#### 15.2. Chemical safety assessment

No

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### SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H318 Causes serious eye damage.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

H336 May cause drowsiness or dizziness.

H225 Highly flammable liquid and vapour.

H373 (hearing organs) May cause damage to organs (hearing organs) through prolonged or repeated exposure.

H361d Suspected of damaging the unborn child.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

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H350 May cause cancer.  
H411 Toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Carc. 1B	3.6/1B	Carcinogenicity, Category 1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

(EC) 1272/2008 [CLP] Yönetmeliğine göre karışımların sınıflandırmasını elde etmek için kullanılan sınıflandırma ve prosedür:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
STOT SE 3, H335	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

Due to the integration of the Mader Aero products range into the Socomore Group, all Safety Data Sheets have been re-evaluated on the basis of consolidated information. This may have led to significant changes in our Safety Data Sheets. If you have any questions regarding these changes, you can contact us at the address indicated in section 1.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

CCNL - Appendix 1

Insert further consulted bibliography

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re-transmission of this document, in full or in part, must be limited to clearly identified individuals, either because they use the product, or to provide HSE information. Any communication of this document outside of this framework without our written consent is strictly forbidden. SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
STOT SE:	May cause drowsiness or dizziness
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.