

# SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **PROXL GENERATION20 UNIVERSAL HARDENER EXTRA FAST**  
Creation date: **14.10.2019** · Revision: **24.6.2020** · Version: **1**



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name

**PROXL GENERATION20 UNIVERSAL HARDENER FAST**

Product code

**U2KHG20-F**

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

Relevant identified uses

Hardener

Uses advised against

No information.

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

Manufacturer

**Capella Solutions Group  
1 Mantle Close, off Bingham Road  
Sittingbourne, Kent  
ME10 3BW  
+44 (0)1634 823900**

### 1.4. Emergency telephone number

Emergency

112

Supplier

+44(0)1634 823900

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour.  
Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.  
Skin Irrit. 2; H315 Causes skin irritation.  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
Eye Irrit. 2; H319 Causes serious eye irritation.  
Acute Tox. 4; H332 Harmful if inhaled.  
STOT SE 3; H335 May cause respiratory irritation.  
STOT SE 3; H336 May cause drowsiness or dizziness.  
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure.  
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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## 2.2 Label elements

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



Signal word: **Danger**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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

H412 Harmful to aquatic life with long lasting effects.

P102 Keep out of reach of children.

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

P260 Do not breathe mist/vapours.

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

P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P501 Dispose of contents/container in accordance with national regulation.

### 2.2.2. Contains:

Hexametilen, diizocianat, oligomeri (CAS: 28182-81-2)

xylene (CAS: 1330-20-7, EC: 215-535-7, Index: 601-022-00-9)

n-butyl acetate (CAS: 123-86-4, EC: 204-658-1, Index: 607-025-00-1)

solvent naphtha (petroleum), light arom. (CAS: 64742-95-6, EC: 265-199-0, Index: 649-356-00-4)

### 2.2.3. Special provisions

Special hazards are not known or expected.

## 2.3. Other hazards

No information.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

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## 3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
Heksametilen, diizocianat, oligomeri	28182-81-2 - -	25-50	Skin Sens. 1; H317 Acute Tox. 4; H332 STOT SE 3; H335		-
xylene [C]	1330-20-7 215-535-7 601-022-00-9	10-25	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335 STOT RE 2; H373		-
n-butyl acetate	123-86-4 204-658-1 607-025-00-1	25-50	Flam. Liq. 3; H226 STOT SE 3; H336 EUH066		-
solvent naphtha (petroleum), light arom. [P]	64742-95-6 265-199-0 649-356-00-4	0-10	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 EUH066		-
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7	0-10	Flam. Liq. 3; H226		-

### Notes for substances:

<b>C</b>	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.  In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
<b>P</b>	The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7).  When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260- P262-P301 + P310- P331 shall apply.  This note applies only to certain complex oil-derived substances in Part 3.

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain professional medical help! In case of unconsciousness bring patient into stable side position and seek medical attention.

#### Following skin contact

Take off all contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

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## Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek professional medical attention.

## Following ingestion

Do not induce vomiting! Vomiting may cause aspiration in the lungs. If vomiting occurs, the patient should hold the head lower than the hips, because it reduces the possibility of aspiration. Rinse mouth thoroughly with water. Consult a physician. Show the physician the safety data sheet or label.

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

### Inhalation

Harmful.

Vapours may cause drowsiness and dizziness.

Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness.

Can cause irritation of respiratory system.

Coughing, sneezing, nasal discharge, labored breathing.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and CNS.

### Skin contact

Itching, redness, pain.

May cause sensitisation by skin contact (symptoms: itching, redness, rashes).

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin and non-allergic contact dermatitis.

### Eye contact

Redness, tearing, pain.

### Ingestion

Aspiration into the lungs causes coughing, shortness of breath and may lead to chemical pneumonia.

May cause nausea/vomiting and diarrhea.

May cause abdominal discomfort.

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

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## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

Full water jet.

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

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

### 5.3. Advice for firefighters

#### Protective actions

In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

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## Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Evacuate personnel. Prevent access to unprotected personnel. Do not breathe vapour or mist. Avoid contact with skin and eyes. Do not use open fire and keep away all sources of ignition.

#### 6.1.2. For emergency responders

Use personal protective equipment.

### **6.2. Environmental precautions**

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

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

#### 6.3.1. For containment

Stem the spill if this does not pose risks.

#### 6.3.2. For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use spark-proof tools. Make sure the leakage site is well aired. Wear appropriate personal protective equipment. Due to the reaction with humid air and/or water, carbon dioxide is released, which can cause pressure increase in the container. Dispose in accordance with applicable regulations (see Section 13).

#### 6.3.3. Other information

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### **6.4. Reference to other sections**

See also Sections 8 and 13.

## **SECTION 7. HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Protect from open fire and other sources of ignition or heat. Ensure proper grounding of the equipment. Vapours and air form explosive mixtures.

##### **Measures to prevent aerosol and dust generation**

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

##### **Measures to protect the environment**

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

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## 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Wear suitable protective equipment; see Section 8. Refer to instructions on label and regulations for safety and health at work. Product is not for eating – do not ingest! Asthmatics and people with known hypersensitivity are advised not to use the product.

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

### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in tightly closed container. Store in a dry, cool and well-ventilated area, away from incompatible materials. Protect from open fire, heat and direct sunlight. Keep away from moisture and water. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances.

### 7.2.2. Packaging materials

The original container of producer.

### 7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### 7.2.4. Storage class

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### 7.2.5. Further information on storage conditions

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

### **Recommendations**

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### **Industrial sector specific solutions**

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## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Control parameters**

#### 8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>		
Butyl acetate (123-86-4)	150	724	200	966		
1-Methoxypropyl acetate (108-65-6)	50	274	100	548	Sk	
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	50	220	100	441	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

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## 8.1.3. DNEL/DMEL values

### For components

Name	Type	Exposure route	Exposure frequency	Value	Remark
Heksametilen, diizocianat, oligomeri (28182-81-2)	Worker	inhalation	()	1 mg/m <sup>3</sup>	local
Heksametilen, diizocianat, oligomeri (28182-81-2)	Worker	inhalation	()	0,5 mg/m <sup>3</sup>	local, chronic
xylene (1330-20-7)	Worker	dermal	long term (systemic effects)	180 mg/kg bw/day	
xylene (1330-20-7)	Worker	inhalation	long term (systemic effects)	77 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	dermal	long term (systemic effects)	108 mg/kg bw/day	
xylene (1330-20-7)	Consumer	inhalation	long term ()	14,8 mg/m <sup>3</sup>	systemic
xylene (1330-20-7)	Consumer	oral	long term (systemic effects)	1,6 mg/kg bw/day	
xylene (1330-20-7)	Worker	inhalation	short term (systemic effects)	289 mg/m <sup>3</sup>	
xylene (1330-20-7)	Worker	inhalation	short term (local effects)	289 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	inhalation	long term ()	14,8 mg/m <sup>3</sup>	systemic
xylene (1330-20-7)	Consumer	inhalation	short term (systemic effects)	174 mg/m <sup>3</sup>	
xylene (1330-20-7)	Consumer	inhalation	short term (local effects)	174 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (local effects)	102,34 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Worker	inhalation	long term (local effects)	480 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Consumer	inhalation	long term (systemic effects)	102,34 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Worker	inhalation	long term (systemic effects)	480 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (local effects)	859,7 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (local effects)	960 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Consumer	inhalation	short term (systemic effects)	859,7 mg/m <sup>3</sup>	
n-butyl acetate (123-86-4)	Worker	inhalation	short term (systemic effects)	960 mg/m <sup>3</sup>	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	dermal	long term (systemic effects)	153,5 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Worker	inhalation	long term (systemic effects)	275 mg/m <sup>3</sup>	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	oral	long term (systemic effects)	1,67 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	dermal	long term (systemic effects)	54,8 mg/kg	
2-methoxy-1-methylethyl acetate (108-65-6)	Consumer	inhalation	long term (systemic effects)	33 mg/m <sup>3</sup>	

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## 8.1.4. PNEC values

### For components

Name	Exposure route	Value	Remark
Heksametilen, diizocianat, oligomeri (28182-81-2)	soil	53182 mg/kg	
Heksametilen, diizocianat, oligomeri (28182-81-2)	fresh water	0,127 mg/L	
Heksametilen, diizocianat, oligomeri (28182-81-2)	marine water	0,0127 mg/L	
Heksametilen, diizocianat, oligomeri (28182-81-2)	fresh water sediment	266700 mg/kg	
Heksametilen, diizocianat, oligomeri (28182-81-2)	water, intermittent release	1,27 mg/L	
Heksametilen, diizocianat, oligomeri (28182-81-2)	marine water sediment	26670 mg/kg	
xylene (1330-20-7)	fresh water	0,327 mg/L	
xylene (1330-20-7)	marine water	0,327 mg/L	
xylene (1330-20-7)	fresh water sediment	12,46 mg/kg	dry weight
xylene (1330-20-7)	marine water sediment	12,46 mg/kg	dry weight
xylene (1330-20-7)	soil	2,31 mg/kg dw	agricultural land
xylene (1330-20-7)	water treatment plant	6,58 mg/L	
n-butyl acetate (123-86-4)	water treatment plant	35,6 mg/L	
n-butyl acetate (123-86-4)	fresh water	0,18 mg/L	
n-butyl acetate (123-86-4)	marine water	0,018 mg/L	
n-butyl acetate (123-86-4)	fresh water sediment	0,981 mg/kg	dry weight
n-butyl acetate (123-86-4)	marine water sediment	0,0981 mg/kg	dry weight
n-butyl acetate (123-86-4)	soil	0,0903 mg/kg	dry weight
2-methoxy-1-methyl ethyl acetate (108-65-6)	fresh water	0,635 mg/L	
2-methoxy-1-methyl ethyl acetate (108-65-6)	marine water	0,0635 mg/L	
2-methoxy-1-methyl ethyl acetate (108-65-6)	fresh water sediment	3,29 mg/kg	
2-methoxy-1-methyl ethyl acetate (108-65-6)	marine water sediment	0,329 mg/kg	
2-methoxy-1-methyl ethyl acetate (108-65-6)	water treatment plant	100 mg/L	
2-methoxy-1-methyl ethyl acetate (108-65-6)	soil	0,29 mg/kg	

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. When choosing personal protective equipment, ask your chemical substance supplier for advice.

#### Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

### 8.2.2. Personal protective equipment

#### Eye and face protection

Safety glasses with side protection (EN 166).

#### Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.



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## Skin protection

Choose body protection according to the activity and possible exposure. Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012).

## Respiratory protection

If the concentration limit values are exceeded, it is necessary to wear appropriate respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard EN 137, EN 138.

## Thermal hazards

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## 8.2.3. Environmental exposure controls

### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

- <b>Physical state:</b>	liquid
- <b>Colour:</b>	according to specification
- <b>Odour:</b>	characteristic

### Important health, safety and environmental information

- <b>pH</b>	No information.
- <b>Melting point/freezing point</b>	No information.
- <b>Initial boiling point/boiling range</b>	No information.
- <b>Flash point</b>	No information.
- <b>Evaporation rate</b>	No information.
- <b>Flammability (solid, gas)</b>	No information.
- <b>Explosion limits (vol%)</b>	No information.
- <b>Vapour pressure</b>	No information.
- <b>Vapour density</b>	No information.
- <b>Density</b>	No information.
- <b>Solubility</b>	No information.
- <b>Partition coefficient</b>	No information.
- <b>Auto-ignition temperature</b>	No information.
- <b>Decomposition temperature</b>	No information.
- <b>Viscosity</b>	No information.
- <b>Explosive properties</b>	No information.
- <b>Oxidising properties</b>	No information.

### 9.2. Other information

- <b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

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## 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

## 10.3. Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures. Product reacts slowly with water, releasing CO<sub>2</sub>, which can cause overpressure in closed containers. Danger of explosion..

## 10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks. Protect from moisture and water - keep in dry place.

## 10.5. Incompatible materials

Oxidants.

## 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### (a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
xylene (1330-20-7)	oral	LD <sub>50</sub>	rat		> 4300 mg/kg		
xylene (1330-20-7)	dermal	LD <sub>50</sub>	rabbit		> 4300 mg/kg		
xylene (1330-20-7)	inhalation (vapors)	LC <sub>50</sub>	rat	4 h	18,8 – 25,9 mg/l		
solvent naphtha (petroleum), light arom. (64742-95-6)	oral	LD <sub>50</sub>	rat		2000 – 5000 mg/kg		
solvent naphtha (petroleum), light arom. (64742-95-6)	dermal	LD <sub>50</sub>	rabbit		> 2000 mg/kg		

**Additional information:** Harmful if inhaled.

#### (b) Skin corrosion/irritation

**Additional information:** Causes skin irritation.

#### (c) Serious eye damage/irritation

**Additional information:** Causes serious eye irritation.

#### (d) Respiratory or skin sensitisation

**Additional information:** May cause an allergic skin reaction.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

No information.

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## (h) STOT-single exposure

**Additional information:** May cause drowsiness or dizziness. May cause respiratory irritation.

## (i) STOT-repeated exposure

**Additional information:** May cause damage to organs through prolonged or repeated exposure.

## (j) Aspiration hazard

**Additional information:** May cause lung damage if swallowed and enters airways.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### 12.1.1. Acute (short-term) toxicity

##### For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
xylene (1330-20-7)	EC <sub>50</sub>	> 165 mg/L	48 h	daphnia			
	LC <sub>50</sub>	10 – 100 mg/L	96 h	fish			
	EC <sub>50</sub>	> 160 mg/L		bacteria			
solvent naphtha (petroleum), light arom. (64742-95-6)	LC <sub>50</sub> /EC <sub>50</sub> /IC <sub>50</sub>	1 – 10 mg/L		fish			
	LC <sub>50</sub> /EC <sub>50</sub> /IC <sub>50</sub>	1 – 10 mg/L		water crustaceans			
	LC <sub>50</sub> /EC <sub>50</sub> /IC <sub>50</sub>	1 – 10 mg/L		algae			
	LC <sub>50</sub> /EC <sub>50</sub> /IC <sub>50</sub>	> 100 mg/L		microorganisms			

#### 12.1.2. Chronic (long-term) toxicity

No information.

### 12.2. Persistence and degradability

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

#### 12.2.2. Biodegradation

##### For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
xylene (1330-20-7)	COD	3170 mg O <sub>2</sub> /g				

### 12.3. Bioaccumulative potential

#### 12.3.1. Partition coefficient

##### For components

Substance (CAS Nr.)	Media	Value	Temperature	pH	Concentration	Method
xylene (1330-20-7)	Octanol-water (log Pow)	3,14 – 3,18				

#### 12.3.2. Bioconcentration factor (BCF)

No information.

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## 12.4. Mobility in soil

### 12.4.1. Known or predicted distribution to environmental compartments

No information.

### 12.4.2. Surface tension

No information.

### 12.4.3. Adsorption/Desorption

No information.

## 12.5. Results of PBT and vPvB assessment

No evaluation.

## 12.6. Other adverse effects

No information.

## 12.7. Additional information

### **For product**

Harmful to aquatic life with long lasting effects.

Do not allow to reach ground water, water courses or sewage system.

Isocyanates react with water to form an insoluble polyurea.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

##### **Packaging**

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities. Empty containers represent a fire hazard as they may contain flammable product residues and vapour.

#### 13.1.2. Waste treatment-relevant information

-

#### 13.1.3. Sewage disposal-relevant information

-

#### 13.1.4. Other disposal recommendations

-

## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

UN 1263

### 14.2. UN proper shipping name

PAINT RELATED MATERIAL

### 14.3. Transport hazard class(es)

3

### 14.4. Packing group

III



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## 14.5. Environmental hazards

NO.

## 14.6. Special precautions for user

### Limited quantities

5 L

### Tunnel restriction code

(D/E)

### IMDG Ems

F-E, S-E

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

Goods may not be carried in bulk in bulk containers, containers or vehicles.

## SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guide line)

Not applicable.

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

-

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
CEN - European Committee for Standardisation  
C&L - Classification and Labelling  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
CAS# - Chemical Abstracts Service number  
CMR - Carcinogen, Mutagen, or Reproductive Toxicant  
CSA - Chemical Safety Assessment  
CSR - Chemical Safety Report  
DMEL - Derived Minimal Effect Level  
DNEL - Derived No Effect Level  
DPD - Dangerous Preparations Directive 1999/45/EC  
DSD - Dangerous Substances Directive 67/548/EEC  
DU - Downstream User  
EC - European Community  
ECHA - European Chemicals Agency  
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)  
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)  
EEC - European Economic Community  
EINECS - European Inventory of Existing Commercial Substances

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ELINCS - European List of notified Chemical Substances  
EN - European Standard  
EQS - Environmental Quality Standard  
EU - European Union  
Euphrac - European Phrase Catalogue  
EWC - European Waste Catalogue (replaced by LoW – see below)  
GES - Generic Exposure Scenario  
GHS - Globally Harmonized System  
IATA - International Air Transport Association  
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air  
IMDG - International Maritime Dangerous Goods  
IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

## Key literature references and sources for data

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## List of relevant H phrases

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure .
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.