Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# **SAFETY DATA SHEET**



1/18

TEKNODUR TEXTURE 3620-01 - TS 4080 BLACK

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

## 1.1 Product identifier

Product name : FEKNODUR TEXTURE 3620-01 - TS 4080 BLACK

**1.2 Relevant identified uses of the substance or mixture and uses advised against Product use** : **P**aint.

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

₱ Peknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

- e-mail address of person : Prod-safe@teknos.com
- responsible for this SDS

### **National contact**

Peknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

### 1.4 Emergency telephone number

### National advisory body/Poison Centre

Telephone number

: 🖬 an emergency, call 112

## **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Product definition : Mixture

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

Mam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

Hazard pictograms

Signal word Hazard statements

### : Marning

- : H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- 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.

### **Precautionary statements**

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# **SECTION 2: Hazards identification**

Prevention	:	<ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P260 - Do not breathe vapour.</li> </ul>
Response	1	₱314 - Get medical advice/attention if you feel unwell.
Storage	:	₱403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	:	₱501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	⊠ylene Solvent naphtha (petroleum), light aromatic 2-ethoxy-1-methylethyl acetate n-Butyl acetate
Supplemental label elements	:	Contains 2,3-epoxypropyl neodecanoat and Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine. May produce an allergic reaction.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	
2.3 Other hazards		
Product meets the criteria	1	This mixture does not contain any substances that are assessed to be a PBT or a

 Product meets the criteria
 :
 This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

 to Regulation (EC) No.
 :
 VPvB.

 1907/2006, Annex XIII
 :
 Mone known.

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

3.2 Mixtures	: Mixture				
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
₩ylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 (oral, inhalation) Asp. Tox. 1, H304	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
Solvent naphtha (petroleum), light aromatic	REACH #: 01-2119455851-35 EC: 265-199-0 CAS: 64742-95-6 Index: 649-356-00-4	≥10 - <25	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	-	[1]
2-ethoxy-1-methylethyl acetate	REACH #: 01-2119475116-39 EC: 259-370-9 CAS: 54839-24-6 Index: 603-177-00-8	≤10	Flam. Liq. 3, H226 STOT SE 3, H336	-	[1]
n-Butyl acetate	REACH #: 01-2119485493-29 EC: 204-658-1	≤10	Flam. Liq. 3, H226 STOT SE 3, H336 EUH066	-	[1] [2]
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SECTION 3: Com	position/informat	ion on ir	gredients		
	CAS: 123-86-4 Index: 607-025-00-1				
Ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤5	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) (oral, inhalation) Asp. Tox. 1, H304	ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]
2,3-epoxypropyl neodecanoat	REACH #: 01-2119431597-33 EC: 247-979-2 CAS: 26761-45-5	<1	Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411	-	[1]
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	REACH #: 01-2119979085-27 EC: 309-629-8 CAS: 100545-48-0	≤0.3	Skin Sens. 1B, H317 Aquatic Chronic 3, H412	-	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

<u>Type</u>

Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

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

4.1 Description of firs	t aid measures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	: Fush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	ns and effects, both acute and delayed
Over-exposure signs/symp	
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
4.3 Indication of any immedi	iate medical attention and special treatment needed
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
<b>SECTION 5: Firefigh</b>	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	:
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising f	from the substance or mixture
Hazards from the substance or mixture	: Fammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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## **SECTION 5: Firefighting measures**

Special protective	: Fre-fighters should wear appropriate protective equipment and self-contained
equipment for fire-fighters	breathing apparatus (SCBA) with a full face-piece operated in positive pressure
	mode. Clothing for fire-fighters (including helmets, protective boots and gloves)
	conforming to European standard EN 469 will provide a basic level of protection for
	chemical incidents.

### SECTION 6: Accidental release measures

6.1 Personal precautions,	protective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel fro
•	entering. Do not touch or walk through spilt material. Shut off all ignition sourc

ignition sources. or wark throug nng. Do no No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

- For emergency responders : F specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- 6.2 Environmental : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental precautions pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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

Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment.
36010113	See Section 3 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

Protective measures	: Fut on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not
	reuse container.

personnel from

## SECTION 7: Handling and storage

Advice on general occupational hygiene Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### Seveso Directive - Reporting thresholds

### **Danger criteria**

	Notification and MAPP threshold	Safety report threshold
₱5c	5000 tonne	50000 tonne

### 7.3 Specific end use(s)

**Recommendations** 

: Not available.

**Industrial sector specific** solutions

: Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

### **Occupational exposure limits**

Product/ingredient	t name Exposure limit values
₩ylene	EU OEL (Europe, 10/2019). [xylene, mixed isomers] Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 50 ppm 8 hours. TWA: 221 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes.
n-Butyl acetate	STEL: 442 mg/m <sup>3</sup> 15 minutes. EU OEL (Europe, 10/2019). Notes: list of indicative
Ethylbenzene	occupational exposure limit values STEL: 150 ppm 15 minutes. STEL: 723 mg/m <sup>3</sup> 15 minutes. TWA: 241 mg/m <sup>3</sup> 8 hours. TWA: 50 ppm 8 hours. EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values TWA: 100 ppm 8 hours. TWA: 442 mg/m <sup>3</sup> 8 hours. STEL: 200 ppm 15 minutes. STEL: 884 mg/m <sup>3</sup> 15 minutes.
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment
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## **SECTION 8: Exposure controls/personal protection**

of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### **DNELs/DMELs**

Product/ingredient name	Туре	Exposure	Value	Population	Effects
Xylene	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	14.8 mg/m <sup>3</sup>	General	Systemic
		Inhalation	Ű	population	-
	DNEL	Long term	77 mg/m³	Workers	Systemic
	5	Inhalation	11g/	Tronkero .	eyetenne
	DNEL	Long term Dermal	108 mg/kg	General	Systemic
	DINEL	Long term Derma			Oysternic
			bw/day	population	O. un transita
	DNEL	Long term Dermal	180 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term	289 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	289 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Long term	65.3 mg/m <sup>3</sup>	General	Local
		Inhalation	Ŭ	population	
	DNEL	Short term	260 mg/m <sup>3</sup>	General	Local
	DITE	Inhalation	200 mg/m	population	2000
	DNEL	Short term	260 mg/m <sup>3</sup>	General	Systemic
	DNEL		200 mg/m		Systemic
		Inhalation	004	population	1
	DNEL	Long term	221 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
Solvent naphtha (petroleum), light	DNEL	Long term	0.41 mg/m <sup>3</sup>		Systemic
aromatic		Inhalation		population	
	DNEL	Long term	1.9 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			
	DNEL	Long term	178.57 mg/	General	Local
		Inhalation	m³ Č	population	
	DNEL	Short term	640 mg/m <sup>3</sup>	General	Local
	DILLE	Inhalation	o io ing/in	population	Loodi
	DNEL	Long term	837.5 mg/	Workers	Local
	DINLL	Inhalation	m <sup>3</sup>	VIOINEIS	LUCAI
				\A/ - ul - un	1
	DNEL	Short term	1066.67	Workers	Local
		Inhalation	mg/m³	<b>A</b>	
	DNEL	Short term	1152 mg/	General	Systemic
		Inhalation	m³	population	
	DNEL	Short term	1286.4 mg/	Workers	Systemic
		Inhalation	m³		
2-ethoxy-1-methylethyl acetate	DNEL	Long term Oral	13.1 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	62 mg/kg	General	Systemic
		Ŭ	bw/day	population	
	DNEL	Long term Dermal	103 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	181 mg/m <sup>3</sup>	General	Systemic
		Inhalation	10 mg/m	population	5,0001110
			265 ma/m3	General	Sustamia
	DNEL	Short term	365 mg/m³		Systemic
		Inhalation	000 1 2	population	0
	DNEL	Short term	608 mg/m <sup>3</sup>	Workers	Systemic
	<b></b>	Inhalation	450 5		
	DNEL	Long term	152 mg/m³	Workers	Systemic
		Inhalation			
n-Butyl acetate	DNEL	Long term Dermal	3.4 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term Dermal	7 mg/kg	Workers	Systemic
	1		bw/day		
					1
	DNFI	Long term		General	Systemic
	DNEL	Long term	12 mg/m³	General	Systemic

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ECTION 8: Exposure co	ntrols/p	personal prote	ction		
		Inhalation		population	
	DNEL	Long term	48 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation			,
	DNEL	Short term Oral	2 mg/kg	General	Systemic
	DILLE	onore term or a	bw/day	population	Cysternie
	DNEL	Long term Oral	2 mg/kg	General	Systemic
	DINLL	Long term Oral	bw/day	population	Systemic
		Short torm Dormal		General	Sustamia
	DNEL	Short term Dermal	6 mg/kg		Systemic
	DNE		bw/day	population	0
	DNEL	Short term Dermal	11 mg/kg bw/day	Workers	Systemic
	DNEL	Long term	35.7 mg/m <sup>3</sup>	General	Local
		Inhalation		population	
	DNEL	Short term	300 mg/m <sup>3</sup>	General	Local
		Inhalation	_	population	
	DNEL	Short term	300 mg/m <sup>3</sup>	General	Systemic
		Inhalation	Ŭ	population	-
	DNEL	Long term	300 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DNEL	Short term	600 mg/m <sup>3</sup>	Workers	Local
		Inhalation	555 mg/m		
	DNEL	Short term	600 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	Joo mg/m	**011013	Cystonic
Ethylbenzene	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
Luiyibenzene	DINLL	Long term Oral	bw/day	population	Systemic
		Long torm		General	Svetomio
	DNEL	Long term	15 mg/m <sup>3</sup>		Systemic
	DNE	Inhalation	77 / 3	population	0
	DNEL	Long term	77 mg/m³	Workers	Systemic
		Inhalation	400 //		<b>•</b> • •
	DNEL	Long term Dermal	180 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Short term	293 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DMEL	Long term	442 mg/m <sup>3</sup>	Workers	Local
		Inhalation			
	DMEL	Short term	884 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	-		
2,3-epoxypropyl neodecanoat	DNEL	Long term Dermal	1.15 mg/	General	Systemic
			kg bw/day	population	-
	DNEL	Long term	1.6 mg/m <sup>3</sup>	General	Systemic
		Inhalation		population	,
	DNEL	Long term Dermal	1.9 mg/kg	Workers	Systemic
			bw/day		-,
	DNEL	Short term	2.7 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	2.7 mg/m	11011013	Cysternic
	DNEL		$2.7 \text{ ma}/\text{m}^3$	Workors	Svetomia
	DINEL	Long term	2.7 mg/m <sup>3</sup>	Workers	Systemic
		Inhalation	0.055	0	Land
Octadecanoic acid, 12-hydroxy-,	DNEL	Long term	0.055 mg/	General	Local
reaction products with		Inhalation	m³	population	
ethylenediamine					
	DNEL	Long term	0.308 mg/	Workers	Local
		Inhalation	m³		

### **PNECs**

No PNECs available

### 8.2 Exposure controls

# Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### Individual protection measures

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

Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
	Recommendations :Wear suitable gloves tested to EN374.
	< 1 hour (breakthrough time): Mitrile gloves. thickness > 0.3 mm
	> 8 hours (breakthrough time): 🛛 👭 / Silver Shield® gloves.
	$\overline{oldsymbol{\mathcal{M}}}$ ash hands before breaks and immediately after handling the product.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.
Other skin protection	Keppropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Pased on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
	Filter type:
	Filter type (spray application): 📈 P
Environmental exposure controls	<ul> <li>Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.</li> </ul>

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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	: 🗾 quid.
Colour	: Black.
Odour	: Slight
Odour threshold	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and	1 (C)
boiling range	

Ingredient name	°C	°F	Method	
<mark>p-</mark> Butyl acetate	126	258.8	OECD 103	
Solvent naphtha (petroleum), light aromatic	135 to 210	275 to 410		
Flammability : 🖡	ot available.			
	ower: 0.8% lpper: 7.6%			
Flash point : 🖸	losed cup: 25°C (77	′°F)		
Auto-ignition temperature :				
Ingredient name	°C	°F	Method	
Solvent naphtha (petroleum), light aromatic	280 to 470	536 to 878		
2-ethoxy-1-methylethyl acetate	325	617		
Decomposition temperature : 🖡	ot available.			
pH : 🕟	ot available.			
Viscosity : 🕅	ot available.			
Solubility(ies) :				
Not available.				
Solubility in water 🛛 🛛 🖡	ot available.			
Partition coefficient: n-octanol/ :	ot applicable.			

### Vapour pressure

	Vapour Pressure at 20°C		V	apour pres	ssure at 50°C	
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method
p-Butyl acetate	11.25	1.5	DIN EN 13016-2			
Ethylbenzene	9.3	1.2				
Relative density	: Not	available.	+			
Density	: 1.1	g/cm³				
apour density	: Not	available.				
xplosive properties	: Not	available.				
Dxidising properties	: Not	available.				
article characteristics						
Median particle size	: Not	applicable.				

# **SECTION 10: Stability and reactivity**

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10.1 Reactivity	: No specific test data related to reactivity available for this produ	ct or its ingredients.
10.2 Chemical stability	: The product is stable.	
10.3 Possibility of hazardous reactions	: Vnder normal conditions of storage and use, hazardous reactio	ns will not occur.
10.4 Conditions to avoid	: Kooid all possible sources of ignition (spark or flame). Do not p braze, solder, drill, grind or expose containers to heat or source	
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidising materials	
10.6 Hazardous decomposition products	: Vinder normal conditions of storage and use, hazardous decom should not be produced.	position products
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## **SECTION 11: Toxicological information**

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

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>X</b> ylene	LC50 Inhalation Vapour	Rat	21.7 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
Solvent naphtha (petroleum), light aromatic	LD50 Oral	Rat	8400 mg/kg	-
n-Butyl acetate	LC50 Inhalation Vapour	Rat	0.74 mg/l	4 hours
-	LD50 Dermal	Rabbit	14112 mg/kg	-
	LD50 Oral	Rat	10760 mg/kg	-
Ethylbenzene	LC50 Inhalation Dusts and mists	Rat	29000 mg/l	4 hours
	LD50 Dermal	Rabbit	15400 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
2,3-epoxypropyl neodecanoat	LD50 Oral	Rat	>10 g/kg	-
Conclusion/Summary	: Based on available data, the cl	assification crite	ria are not met.	•

### Acute toxicity estimates

Route	ATE value
	6034.89 mg/kg 49.45 mg/l

### Irritation/Corrosion

Reproductive toxicity Conclusion/Summary

**Teratogenicity** 

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>⊠</b> ylene	Eyes - Mild irritant	Rabbit	-	87 mg	-
	Eyes - Severe irritant	Rabbit	-	24 hours 5	-
				mg	
	Skin - Mild irritant	Rat	-	8 hours 60 uL	-
	Skin - Moderate irritant	Rabbit	-	100 %	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
		<b>D</b> 11 11		mg	
Solvent naphtha (petroleum),	Eyes - Mild irritant	Rabbit	-	24 hours 100	-
light aromatic	Even Mederate irritent	Dabbit		uL	
n-Butyl acetate	Eyes - Moderate irritant Skin - Moderate irritant	Rabbit Rabbit	-	100 mg 24 hours 500	-
	Skin - Moderate initant	Nabbit	-		-
Ethylbenzene	Eyes - Severe irritant	Rabbit	_	mg 500 mg	_
	Skin - Mild irritant	Rabbit	_	24 hours 15	-
		Rabbit		mg	
2,3-epoxypropyl neodecanoat	Skin - Moderate irritant	Rabbit	-	0.5 MI	-
Conclusion/Summary	: Causes skin irritation.	*		*	
<u>Sensitisation</u>					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	
Mutagenicity					
Conclusion/Summary	: Based on available data, the	classification o	ritoria are	not met	
Carcinogenicity					
Conclusion/Summary	: Based on available data, the	classification c	riteria are	not met.	

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

**Conclusion/Summary** : Based on available data, the classification criteria are not met. <u>Specific target organ toxicity (single exposure)</u>

# **SECTION 11: Toxicological information**

Product/ingredient name	Category	Route of exposure	Target organs
Xylene	Category 3	-	Respiratory tract irritation
Solvent naphtha (petroleum), light aromatic	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
2-ethoxy-1-methylethyl acetate	Category 3	-	Narcotic effects
n-Butyl acetate	Category 3	-	Narcotic effects

### Specific target organ toxicity (repeated exposure)

Product/ing	redient name	Category	Route of exposure	Target organs
<b>⊠</b> ylene Ethylbenzene		Category 2 Category 2	oral, inhalation oral, inhalation	- hearing organs

### **Aspiration hazard**

Product/ingredient name	Result
Kylene	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), light aromatic	ASPIRATION HAZARD - Category 1
Ethylbenzene	ASPIRATION HAZARD - Category 1

### Information on likely routes : Not available. of exposure

Potential acute health effects		
Eye contact	Zauses serious eye irritation.	
Inhalation	Zan cause central nervous system (CNS) depression. May cause drowsiness o dizziness. May cause respiratory irritation.	r
Skin contact	$   \overline{\mathcal{C}} $ auses skin irritation.	
Ingestion	🖉 an cause central nervous system (CNS) depression.	

### Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	<ul> <li> <i>K</i>dverse symptoms may include the following: pain or irritation watering redness         </li> </ul>
Inhalation	<ul> <li>Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness</li> </ul>
Skin contact	:
Ingestion	: No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.

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# **SECTION 11: Toxicological information**

Potential delayed effects	s : Not available.
Potential chronic health e	effects
Not available.	
Conclusion/Summary	: Not available.
General	: May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: 📈 known significant effects or critical hazards.
Reproductive toxicity	: No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

### 11.2.2 Other information

Not available.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Solvent naphtha (petroleum), light aromatic	Acute EC50 3.2 mg/l	Daphnia	48 hours
n-Butyl acetate	Acute LC50 9.2 mg/l Acute LC50 32 mg/l Marine water Acute LC50 18000 µg/l Fresh water	Fish Crustaceans - Artemia salina Fish - Pimephales promelas	96 hours 48 hours 96 hours
Conclusion/Summary	: Harmful to aquatic life with long lasti	ng effects.	

### 12.2 Persistence and degradability

Conclusion/Summary	: This product has not been tested for biodegradation.
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### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>X</b> ylene	3.12	8.1 to 25.9	low
Solvent naphtha (petroleum), light aromatic	-	10 to 2500	high
2-ethoxy-1-methylethyl acetate	0.76	-	low
n-Butyl acetate	2.3	-	low
Ethylbenzene	3.6	-	low
2,3-epoxypropyl neodecanoat	4.4	-	high

### **12.4 Mobility in soil**

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

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No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

13.1 Waste treatment meth	nods
Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: The classification of the product may meet the criteria for a hazardous waste.
European waste catalogue (EWC)	: 🛛 80111*
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	<b>W</b> N1263	<b>₩</b> N1263	<b>W</b> N1263	₩N1263
14.2 UN proper shipping name		PAINT		PAINT
14.3 Transport hazard class(es)	<b>B</b>	<b>7</b>	<b>3</b>	8
14.4 Packing group	W	M	M	M
14.5 Environmental hazards	No.	<b>N</b> o.	No.	No.

Additional information ADR/RID

```
: Funnel code (D/E)
```

**14.6 Special precautions for user**: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk according to IMO instruments : Not relevant/applicable due to nature of the product.

# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>
Annex XIV - List of substances subject to authorisation
Annex XIV
None of the components are listed.
Substances of very high concern
None of the components are listed.
Annex XVII - Restrictions : on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
Other EU regulations
Industrial emissions : Not listed (integrated pollution prevention and control) - Air
Industrial emissions : Not listed (integrated pollution prevention and control) - Water
Ozone depleting substances (1005/2009/EU)
Not listed.
Prior Informed Consent (PIC) (649/2012/EU)
Not listed.
Persistent Organic Pollutants Not listed.
Seveso Directive
This product is controlled under the Seveso Directive.
Danger criteria
Category
₽5c
National regulations
International regulations
Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.
Montreal Protocol Not listed.
Stockholm Convention on Persistent Organic Pollutants
Not listed.
Rotterdam Convention on Prior Informed Consent (PIC)
Not listed.
UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.
15.2 Chemical safety assessment       : This product contains substances for which Chemical Safety Assessments are still required.
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## **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

indicated information that had only god norm providedly located version.					
Abbreviations and acronyms	<ul> <li>ATE = Acute Toxicity Estimate CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement</li> </ul>				
	N/A = Not available PBT = Persistent, Bioaccumulative and Toxic				
	PNEC = Predicted No Effect Concentration				
	RRN = REACH Registration Number				
	SGG = Segregation Group				
	vPvB = Very Persistent and Very Bioaccumulative				
Procedure used to derive	the classification according to Population (EC) No. 1272/2008 [CL P/CHS]				

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Fam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	Calculation method

### Full text of abbreviated H statements

<b>⊮</b> 225	Highly flammable liquid and vapour.
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.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Full text of classifications [CLP/GHS]

	<u></u>
Aquatic Chronic 2 Aquatic Chronic 3	ACUTE TOXICITY - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 GERM CELL MUTAGENICITY - Category 2
Skin Irrit. 2 Skin Sens. 1 Skin Sens. 1B STOT RE 2 STOT SE 3	SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SKIN SENSITISATION - Category 1B SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
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Notice to reader	

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# **SECTION 16: Other information**

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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