

## **SAFETY DATA SHEET**

UNDERCOAT SECTION 1: Identification of the substance/mixture and of the company/ undertaking			
Product name	: VINDERCOAT		
1.2. Relevant identified uses	s of the substance or mixture and uses advised against		
Product use	Solvent borne coating for interior and exterior use.		
1.3. Details of the supplier of e-mail address of person responsible for this SDS	f the safety data sheet ICI Paints AkzoNobel, Wexham Road, Slough, Berkshire, SL2 5DS, U.K. Tel.: +44 (0) 333 222 70 70 www.duluxtrade.co.uk : duluxtrade.advice@akzonobel.com		
1.4 Emergency telephone nu	umber		
Telephone number	: Emergency Telephone : Slough +44 (0) 1753 550000		
Version	: 1.01		
Date of previous issue	: 2-12-2020		
SECTION 2: Hazards			
2.1 Classification of the sub			
Product definition	: Mixture		

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

Flam. Liq. 3, H226

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

Ingredients of unknown toxicity	: 0%
Ingredients of unknown ecotoxicity	: 0%

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



## **SECTION 2: Hazards identification**

Signal word	: Warning
Hazard statements	: H226 - Flammable liquid and vapour.
Precautionary statements	
General	<ul> <li>P102 - Keep out of reach of children.</li> <li>P101 - If medical advice is needed, have product container or label at hand.</li> </ul>
Prevention	<ul> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P233 - Keep container tightly closed.</li> <li>P262 - Do not get in eyes, on skin, or on clothing.</li> </ul>
Response	: P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
Storage	: P235 - Keep cool.
Disposal	<ul> <li>P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.</li> <li>Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</li> </ul>
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.
Special packaging requirem	<u>ients</u>
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
2.3 Other hazards	

2.3 Other hazards Other hazards which do not result in classification

: None known.

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

3.2 Mixtures	: Mixture			
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
Hydrocarbons, C9-C11, n- alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33	≤14	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
hydrocarbon, C9-C11, n- alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of benzene, < 1% of n-hexane and < 0,5 % of aromatic hydrocarbons	EC: 265-150-3 CAS: 64742-48-9	≤5	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304	[1]
Naphtha (petroleum), hydrotreated heavy	EC: 265-150-3 CAS: 64742-48-9 Index: 649-327-00-6	≤1,7	Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons,C10-C13,n- alkanes,isoalkanes,cyclics, <2%aromatics	REACH #: 01-2119457273-39	≤1,7	Asp. Tox. 1, H304 EUH066	[1]
Hydrocarbons, C14-C18, n- alkanes, isoalkanes, cyclics, <2% aromatics		≤1,4	Asp. Tox. 1, H304 EUH066	[1]
2-ethylhexanoic acid, zirconium salt	REACH #: 01-2119979088-21 EC: 245-018-1	≤1	Repr. 2, H361fd (Fertility and Unborn child)	[1] [2]

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

SECTION 3. Composition/mormation on ingredients				
(2-methoxymethylethoxy) propanol	CAS: 22464-99-9 REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤0,3	Not classified.	[2]
2-ethylhexanoic acid, manganese salt	EC: 240-085-3 CAS: 15956-58-8	≤0,1	Eye Irrit. 2, H319 Repr. 2, H361fd (Fertility and Unborn child) STOT RE 2, H373 Aquatic Chronic 2, H411	[1] [2]
1,2-dichlorobenzene	EC: 202-425-9 CAS: 95-50-1 Index: 602-034-00-7	<0,1	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	[1] [2]
methanol	EC: 200-659-6 CAS: 67-56-1 Index: 603-001-00-X	<0,1	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370 See Section 16 for the full text of the H statements declared above.	[1] [2]

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>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

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

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

#### 4.1 Description of first aid measures

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	<ul> <li>Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.</li> </ul>
Inhalation	<ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.</li> </ul>
Skin contact	<ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.</li> </ul>
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

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 the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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

Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

#### SECTION 5: Firefighting measures 5.1 Extinguishing media : Recommended: alcohol-resistant foam, CO2, powders, water spray. Suitable extinguishing media Unsuitable extinguishing : Do not use water jet. media 5.2 Special hazards arising from the substance or mixture Hazards from the : Fire will produce dense black smoke. Exposure to decomposition products may substance or mixture cause a health hazard. Hazardous combustion : Decomposition products may include the following materials: carbon monoxide, products carbon dioxide, smoke, oxides of nitrogen. 5.3 Advice for firefighters Special protective actions : Cool closed containers exposed to fire with water. Do not release runoff from fire to for fire-fighters drains or watercourses. **Special protective** : Appropriate breathing apparatus may be required. equipment for fire-fighters

## **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
For emergency responders	:	If 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 precautions	:	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

## **SECTION 6: Accidental release measures**

6.3 Methods and material for containment and cleaning up	: 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 (see Section 13). Preferably clean with a detergent. Avoid using solvents.
6.4 Reference to other sections	<ul> <li>See Section 1 for emergency contact information.</li> <li>See Section 8 for information on appropriate personal protective equipment.</li> <li>See Section 13 for additional waste treatment information.</li> </ul>

## **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	<ul> <li>Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.</li> <li>Operators should wear antistatic footwear and clothing and floors should be of the conducting type.</li> <li>Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.</li> <li>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</li> <li>Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty. Container is not a pressure vessel.</li> <li>Always keep in containers made from the same material as the original one. Comply with the health and safety at work laws.</li> <li>Do not allow to enter drains or watercourses.</li> <li>Information on fire and explosion protection</li> <li>Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.</li> </ul>
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## 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

#### Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

#### Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)	
Recommendations	

1	Not	avai	lable.
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Industrial sector specific : Not available. solutions

## **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** 

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

Product/ingredie	ent name	Exposure limit values
2-ethylhexanoic acid, zirconi	um salt	EH40/2005 WELs (United Kingdom (UK), 12/2011). STEL: 10 mg/m <sup>3</sup> , (as Zr) 15 minutes. TWA: 5 mg/m <sup>3</sup> , (as Zr) 8 hours.
(2-methoxymethylethoxy)pro	panol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. TWA: 308 mg/m <sup>3</sup> 8 hours.
		TWA: 50 ppm 8 hours.
2-ethylhexanoic acid, manga	inese salt	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 0,5 mg/m <sup>3</sup> , (as Mn) 8 hours.
1,2-dichlorobenzene		EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed through skin. STEL: 306 mg/m <sup>3</sup> 15 minutes. STEL: 50 ppm 15 minutes.
		TWA: 25 ppm 8 hours.
		TWA: 153 mg/m <sup>3</sup> 8 hours.
methanol		EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
		through skin.
		STEL: 333 mg/m <sup>3</sup> 15 minutes. STEL: 250 ppm 15 minutes.
		TWA: 266 mg/m <sup>3</sup> 8 hours.
		TWA: 200 ppm 8 hours.
DNELs/DMELs	atmosphere of exposure (Workplace for the meas	and measurement strategy) European Standard EN 14042 (Workplace is - Guide for the application and use of procedures for the assessment to chemical and biological agents) European Standard EN 482 atmospheres - General requirements for the performance of procedure surement of chemical agents) Reference to national guidance for methods for the determination of hazardous substances will also be
No DNELs/DMELs availabl	e.	
	-	
PNECs No PNECs available		
.2 Exposure controls		
Appropriate engineering controls	achieved by these are no	equate ventilation. Where reasonably practicable, this should be the use of local exhaust ventilation and good general extraction. If ot sufficient to maintain concentrations of particulates and solvent ow the OEL, suitable respiratory protection must be worn.
Individual protection measu	ures	
Hygiene measures	eating, smo Appropriate Wash conta	s, forearms and face thoroughly after handling chemical products, beforking and using the lavatory and at the end of the working period. techniques should be used to remove potentially contaminated clothing minated clothing before reusing. Ensure that eyewash stations and rers are close to the workstation location.
Eye/face protection	: Use safety e	eyewear designed to protect against splash of liquids.
Skin protection	-	
Hand protection		

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Gloves

## SECTION 8: Exposure controls/personal protection

	<ul> <li>When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time &gt;480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm.</li> <li>When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time &gt;30 minutes according to EN374) is recommended. Recommended gloves: Nitrile, thickness ≥ 0.12 mm.</li> <li>Gloves should be replaced regularly and if there is any sign of damage to the glove material.</li> </ul>
	The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.
Body protection	<ul> <li>Personnel should wear antistatic clothing made of natural fibres or of high- temperature-resistant synthetic fibres.</li> </ul>
Other skin protection	<ul> <li>Appropriate 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.</li> </ul>
Respiratory protection	: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.
	OLD LEAD-BASED PAINTS:
	When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.
	Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.
	Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)
	The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by the professional painting contractor as Hazardous Waste.
	Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.
	Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

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

OLD LEAD-BASED PAINTS:

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)

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Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Environmental exposure : Do not allow to enter drains or watercourses. controls

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

9.1. Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Various: See label.
Odour	: Not available.
Odour threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: 100°C
Flash point	: Closed cup: 32°C
Evaporation rate	: Not available.

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

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	Upper/lower flammability or explosive limits	:	Not available.
	Vapour pressure	:	Not available.
	Vapour density	:	Not available.
	Relative density	:	1,382
	Solubility(ies)	:	Insoluble in the following materials: cold water.
	Partition coefficient: n-octanol/ water	:	Not available.
	Auto-ignition temperature	:	Not available.
	Decomposition temperature	:	Not available.
	Viscosity	:	Kinematic (room temperature): 5,07 cm <sup>2</sup> /s
	Explosive properties	:	Not available.
	Oxidising properties	:	Not available.
1	9.2. Other information		
	Solubility in water	1	Not available.

## **SECTION 10: Stability and reactivity**

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## **SECTION 11: Toxicological information**

## 11.1 Information on toxicological effects

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

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 the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Acute toxicity

## **SECTION 11: Toxicological information**

Product/ingredient name	Result	Species	Dose	Exposure
hydrocarbon, C9-C11, n- alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of	LC50 Inhalation Vapour	Rat	8500 mg/m <sup>3</sup>	4 hours
benzene, < 1% of n-hexane and < 0,5 % of aromatic hydrocarbons				
(2-methoxymethylethoxy) propanol	LD50 Oral LD50 Dermal	Rat Rabbit	>6 g/kg 10 mL/kg	-
	LD50 Oral LD50 Oral	Dog Rat	7500 mg/kg 5,5 mL/kg	-
1,2-dichlorobenzene	LD50 Oral LD50 Dermal	Rat Rabbit	5400 uL/kg >10 g/kg	-
	LD50 Intraperitoneal LD50 Intraperitoneal	Mouse Rat	1228 mg/kg 840 mg/kg	-
	LD50 Oral LD50 Oral	Mouse Rabbit	4386 mg/kg 500 mg/kg	-
	LD50 Oral LD50 Subcutaneous	Rat Rat	500 mg/kg 5 g/kg	-
	LDLo Intravenous LDLo Intravenous	Mouse Rabbit	400 mg/kg 250 mg/kg	-
	LDLo Oral TDLo Intraperitoneal	Guinea pig Rat	2000 mg/kg 735 mg/kg	-
	TDLo Intraperitoneal TDLo Intraperitoneal	Rat Rat	1 mg/kg 735 mg/kg	-
methanol	LD50 Dermal LD50 Intraperitoneal	Rabbit Guinea pig	15800 mg/kg 3556 mg/kg	-
	LD50 Intraperitoneal LD50 Intraperitoneal	Hamster Mouse	8555 mg/kg 10765 mg/kg	-
	LD50 Intraperitoneal LD50 Intraperitoneal	Rabbit Rat	1826 mg/kg 7529 mg/kg	-
	LD50 Intravenous LD50 Intravenous	Mouse Rabbit	4710 mg/kg 8907 mg/kg	-
	LD50 Intravenous LD50 Oral	Rat Dog	2131 mg/kg 7500 mg/kg	-
	LD50 Oral LD50 Oral	Monkey Monkey	7 g/kg 7000 mg/kg	-
	LD50 Oral LD50 Oral	Mouse Pig	5800 mg/kg >5000 mg/kg	-
	LD50 Oral LD50 Oral	Rabbit Rat	14200 mg/kg 5600 mg/kg	-
	LD50 Subcutaneous LDLo Dermal	Mouse Monkey	9800 mg/kg 393 mg/kg	-
	LDLo Intravenous LDLo Oral	Cat Dog	4641 mg/kg 7500 mg/kg	-
	LDLo Oral LDLo Oral	Human Human	428 mg/kg 143 mg/kg	-
	LDLo Oral LDLo Oral	Man - Male Man - Male	14 mL/kg 6422 mg/kg	-
	LDLo Oral LDLo Oral	Monkey Mouse	5000 mg/kg 420 mg/kg	-
	LDLo Oral LDLo Oral	Rabbit Woman - Female	7500 mg/kg 10 mL/kg	-
	LDLo Parenteral LDLo Route of exposure unreported	Frog Man - Male	59 g/kg 868 mg/kg	-
	TDLo Intraperitoneal TDLo Intraperitoneal	Rat Rat	3490 mg/kg 3000 mg/kg	-
	TDLo Oral TDLo Oral	Man - Male Man - Male	0,43 mL/kg 1,14 mL/kg	-
	TDLo Oral	Man - Male	1,4 mL/kg	-

## **SECTION 11: Toxicological information**

	TDLo Oral	Man - Male	3429 mg/kg	-
	TDLo Oral	Man - Male	3571 uL/kg	-
	TDLo Oral	Man - Male	9450 uL/kg	-
	TDLo Oral	Rat	8 g/kg	-
	TDLo Oral	Rat	3 g/kg	-
	TDLo Oral	Rat	3 g/kg	-
	TDLo Oral	Rat	8 mL/kg	-
	TDLo Oral	Rat	3500 mg/kg	-
	TDLo Oral	Woman -	4 g/kg	-
		Female		
	TDLo Subcutaneous	Rat	6825 mg/kg	-
Conclusion/Summary	Not available.		-	

## Conclusion/Summary Acute toxicity estimates

Not available.

## Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
(2-methoxymethylethoxy) propanol	Eyes - Mild irritant	Human	-	8 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
1,2-dichlorobenzene	Eyes - Mild irritant	Rabbit	-	0,5 minutes 100 milligrams	-
methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	40 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Conclusion/Summary	: Not available.			1	1

Sensitisation	
<b>Conclusion/Summary</b>	: Not available.
Mutagenicity	
<b>Conclusion/Summary</b>	: Not available.
Carcinogenicity	
<b>Conclusion/Summary</b>	: Not available.
Reproductive toxicity	
<b>Conclusion/Summary</b>	: Not available.
Teratogenicity	
<b>Conclusion/Summary</b>	: Not available.

## Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics hydrocarbon, C9-C11, n-alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of benzene, < 1% of n-hexane and < 0,5 % of aromatic hydrocarbons		Not applicable. Not applicable.	Narcotic effects Narcotic effects

## Specific target organ toxicity (repeated exposure)

Not available.

## **Aspiration hazard**

## **SECTION 11: Toxicological information**

Product/ingredient name	Result
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD - Category 1
hydrocarbon, C9-C11, n-alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of benzene, < 1% of n-hexane and < 0,5 % of aromatic hydrocarbons	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1
Hydrocarbons,C10-C13,n-alkanes,isoalkanes,cyclics, <2%aromatics	ASPIRATION HAZARD - Category 1
Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD - Category 1

#### Other information

: Not available.

## **SECTION 12: Ecological information**

## 12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

Product/ingredient name	Result	Species	Exposure
1,2-dichlorobenzene	Acute EC50 16,2 mg/l Fresh water	Algae - Chlorella marina	72 hours
	Acute EC50 12,8 mg/l Fresh water	Algae - Phaeodactylum	72 hours
		tricornutum	
	Acute EC50 16,9 mg/l Fresh water	Algae - Platymonas	72 hours
		subcordiformis	
	Acute EC50 2200 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 13,1 mg/l Fresh water	Algae - Nannochloropsis oculata	72 hours
	Acute EC50 740 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 1,55 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 10300 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
		pugio	
	Acute LC50 4,52 ppm Marine water	Crustaceans - Americamysis bahia	48 hours
	Acute LC50 2400 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2200 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5,6 mg/l Fresh water	Fish - Lepomis macrochirus -	96 hours
		Young of the year	
	Acute LC50 1,4 mg/l Fresh water	Fish - Gibelion catla	96 hours
	Acute LC50 1610 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 4,5 mg/l Fresh water	Fish - Danio rerio	96 hours
	Chronic NOEC 0,63 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 630 µg/l Fresh water	Daphnia - Daphnia magna	21 days
methanol	Acute EC50 16,912 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 24500000 µg/l Fresh water	Daphnia - Daphnia magna - Larvae	48 hours
	Acute EC50 22200 mg/l Fresh water	Daphnia - Daphnia obtusa - Neonate	48 hours
	Acute EC50 12835 mg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute EC50 12700000 µg/l Fresh water	Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling,	96 hours
	Acute EC50 13000000 µg/l Fresh water	Weanling) Fish - Oncorhynchus mykiss -	96 hours
	Acute ECS0 13000000 µg/i Fresh water	Juvenile (Fledgling, Hatchling, Weanling)	90 110015
	Acute LC50 2500000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
	Acute LC50 3289 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 15,32 g/L Fresh water	Fish - Oreochromis	96 hours
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## **SECTION 12: Ecological information**

	mossambicus - Adult	
Acute LC50 290 mg/l Fresh water	Fish - Danio rerio - Egg	96 hours
Chronic NOEC 71 ppm Fresh water	Algae - Heterosigma akashiwo	96 hours
Chronic NOEC 1400 ppm Fresh water	Algae - Skeletonema costatum	96 hours
Chronic NOEC 410 ppm Fresh water	Algae - Prorocentrum minimum	96 hours
Chronic NOEC 24 ppm Fresh water	Algae - Eutreptiella sp.	96 hours
Chronic NOEC 9,96 mg/l Marine water	Algae - Ulva pertusa	96 hours

Conclusion/Summary

: Not available.

## 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

## **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
hydrocarbon, C9-C11, n- alkane, iso-alkane, cyclic, containing <2% of aromatics, < 0,1% of benzene, < 1% of n-hexane and < 0,5 % of	-	10 to 2500	high
aromatic hydrocarbons 2-ethylhexanoic acid, zirconium salt	-	2,96	low
(2-methoxymethylethoxy) propanol	0,004	-	low
2-ethylhexanoic acid, manganese salt	-	2,96	low
1,2-dichlorobenzene methanol	3,38 -0,77	150 to 230 <10	low low

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.
12.5 Results of PBT and vPvE	assessment
PBT	: Not applicable.
	P: Not available. B: Not available. T: Not available.
vPvB	: Not applicable.
	vP: Not available. vB: Not available.
12.6 Other adverse effects	: No known significant effects or critical hazards.

## **SECTION 13: Disposal considerations**

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).

## **13.1 Waste treatment methods**

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.

## **SECTION 13: Disposal considerations**

Disposal considerations	<ul> <li>Do not allow to enter drains or watercourses.</li> <li>Dispose of according to all federal, state and local applicable regulations.</li> <li>If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.</li> <li>For further information, contact your local waste authority.</li> </ul>	
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.	
Disposal considerations	<ul> <li>Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions.</li> </ul>	
Type of packaging	European waste catalogue (EWC)	
CEPE Paint Guidelines	15 01 10* packaging containing residues of or contaminated by hazardous substances	
Special precautions	<ul> <li>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.</li> </ul>	

## **SECTION 14: Transport information**

## Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

	ADR	IMDG
14.1 UN number	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT
14.3 Transport hazard class(es) Class	zard class(es)	
Subsidiary class	sidiary class	
14.4 Packing group		
14.5 Environmental hazards Marine pollutant Marine pollutant substances	No.	No. Not available.
14.6 Special precautions for userTransport 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.		1
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# Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

HI/Kemler number	30	
Emergency schedules (EmS)		F-E, S-E
14.7 Transport in bulk       : Not applicable.         according to Annex II of         MARPOL and the IBC Code		
Additional information	Viscous substance exemption In pack sizes less than 450 litres, under the terms of 2.2.3.1. 5, this product is not subject to the provisions of ADR. <u>Tunnel code</u> (D/E)	Viscous substance exemption In pack sizes up to and including 30 litres, under the terms of 2.3.2.5, this product is not subject to the packaging, labelling and marking requirements of the IMDG Code, but both full documentation and placarding of cargo transport units is still required.

## **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, or the component present is below its threshold.

## Substances of very high concern

None of the components are listed, or the component present is below its threshold.

## Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

## **Other EU regulations**

VOC for Ready-for-Use : Not applicable. Mixture

Ozone depleting substances (1005/2009/EU) Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

#### Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

## **SECTION 15: Regulatory information**

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

## **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

## 15.2 Chemical safety

: No Chemical Safety Assessment has been carried out.

assessment

## **SECTION 16: Other information**

**CEPE code** 

: 1

✓ Indicates information that has changed from previously issued version.

Abbreviations and acronyms	: 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 PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number VDN = V(cas) Descintert and V(cas) Dispersively (cas)
	vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Flam. Liq. 3, H226	On basis of test data

#### Full text of abbreviated H statements

225	Highly flammable liquid and vapour.
226	Flammable liquid and vapour.
301	Toxic if swallowed.
302	Harmful if swallowed.
304	May be fatal if swallowed and enters airways.
311	Toxic in contact with skin.
315	Causes skin irritation.
319	Causes serious eye irritation.
331	Toxic if inhaled.
335	May cause respiratory irritation.
336	May cause drowsiness or dizziness.
361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
370	Causes damage to organs.
373	May cause damage to organs through prolonged or repeated
	exposure.
400	Very toxic to aquatic life.
410	Very toxic to aquatic life with long lasting effects.
411	Toxic to aquatic life with long lasting effects.

## Full text of classifications [CLP/GHS]

Acute Tox. 3, H301	ACUTE TOXICITY (oral) - Category 3
Acute Tox. 3, H311	ACUTE TOXICITY (dermal) - Category 3
Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Acute 1, H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1, H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2, H411	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Asp. Tox. 1, H304	ASPIRATION HAZARD - Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3, H226	FLAMMABLE LIQUIDS - Category 3
Repr. 2, H361fd	REPRODUCTIVE TOXICITY (Fertility and Unborn child) -

<b>SECTION 16: Othe</b>	r information	
Chin Innit 0 11245		Category 2
Skin Irrit. 2, H315 STOT RE 2, H373		SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - REPEATED
		EXPOSURE - Category 2
STOT SE 1, H370		SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE -
STOT SE 3, H335		Category 1 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
5101 SE 3, 11353		(Respiratory tract irritation) - Category 3
STOT SE 3, H336		SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
		(Narcotic effects) - Category 3
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Notice to reader		

## Notice to reader

IMPORTANT NOTE The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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