

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 1/25/2018 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Product name : 2C Colour Coat (A-comp.)

Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use

Title	Use descriptors
2C Colour Coat (A-comp.)	PC9a

Full text of use descriptors: see section 16

## 1.2.2. Uses advised against

No additional information available

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

CHEMONA Holding B.V. Rouwkooplaan 5 2251 AP VOORSCHOTEN T (+31) 088 - 141 04 44

info@nanocoatinternational.com - www.nanocoatinternational.com

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	

## **SECTION 2: Hazards identification**

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

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

Skin sensitisation, Category 1 H317

Full text of H statements : see section 16

## Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning

Hazardous ingredients : 4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-

epoxypropane

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves.

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

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents/container to an approved waste disposal plant.

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#### 2.3. Other hazards

No additional information available

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

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	% w/w (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-lsopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	(CAS-No.) 30583-72-3 (EC-No.) 500-070-7 (REACH-no) 01-2119959495-22	5 - 10	Skin Sens. 1B, H317
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	(CAS-No.) 111-76-2 (EC-No.) 203-905-0 (EC Index-No.) 603-014-00-0 (REACH-no) 01-2119475108-36	5 - 10	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	0.1 - 1	Flam. Liq. 2, H225 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Oral), H301 STOT SE 1, H370

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	(3 = <c 10)="" 2,="" <="" h371<br="" se="" stot="">(C &gt;= 10) STOT SE 1, H370</c>

Full text of H-statements: see section 16

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

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash skin with plenty of water and soap. If skin

irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before

reuse

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects after inhalation : May cause an allergic skin reaction.

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

No additional information available

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Extinguishing materials should be selected according to the surrounding area.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of : Upon heating, toxic fumes are formed.

fire

## 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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

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

General measures : Use protective clothing. Turn leaking containers leak-side up to prevent the escape of liquid.

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#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Absorb spilled material with sand or earth. Collect spillage. Store away from other materials.

Shovel into suitable and closed container for disposal.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin. Avoid raising dust. Wash hands and other exposed areas with mild

soap and water before eating, drinking or smoking and when leaving work. Provide good

ventilation in process area to prevent formation of vapour.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

clothing before reuse.

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

Storage conditions : Store in dry, cool, well-ventilated area. Keep container closed when not in use.

## 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)		
EU	Local name	2-Butoxyethanol
EU	IOELV TWA (mg/m³)	98 mg/m³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m³)	246 mg/m³
EU	IOELV STEL (ppm)	50 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	2-Butoxyethanol
United Kingdom	WEL TWA (mg/m³)	123 mg/m³
United Kingdom	WEL TWA (ppm)	25 ppm
United Kingdom	WEL STEL (mg/m³)	246 mg/m³
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)
United Kingdom	Regulatory reference	EH40. HSE
methanol (67-56-1)		
EU	Local name	Methanol
EU	IOELV TWA (mg/m³)	260 mg/m³
EU	IOELV TWA (ppm)	200 ppm
EU	Notes	skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom	Local name	Methanol
United Kingdom	WEL TWA (mg/m³)	266 mg/m³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m³)	333 mg/m³
United Kingdom	WEL STEL (ppm)	250 ppm

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methanol (67-56-1)		
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40. HSE

NeL/DMEL (Workers)	4 4'-Isonronylidenedicyclohexanol oligomer	ic reaction products with 1-chloro-2,3-epoxypropane (30583-72-3)	
Acute - Local effects, demal		to reaction products with 1-onioro-2,3-epoxypropane (30303-12-3)	
Acute - local effects, dermal   0.23 mg/cm²		5.5 mg/kg hodyweight/day	
Long-term - Josal effects, dermal   0.021 mg/m³	•		
Long-term - local affects, dermal   0.021 mg/m³	•		
DNEL/DMEL (General population)			
Acute - systemic effects, dermal   3.3 mg/kg bodyweight		0.021 mg/m²	
Acute - local effects, demal   0.021 mg/cm²   1.00 mg/m²   1.00 mg/m			
Long-term - systemic effects, dermal   3.3 mg/kg bodyweight/day			
Long-term - systemic effects, dermal   0.021 mg/cm²	•	·	
Dong-term - local effects, demal   0.021 mg/cm²			
PNEC qua (treshwater)			
PNEC aqua (freshwater)   0.0115 mg/l   PNEC aqua (infamitwater)   0.00115 mg/l   PNEC aqua (infamitwater)   0.115 mg/l   PNEC aqua (infamitwater)   0.129 mg/kg bw   PNEC sediment (freshwater)   0.229 mg/kg bw   PNEC sediment (marine water)   0.029 mg/kg bw   PNEC sediment (marine water)   0.099 mg/kg bw   PNEC soil   0.099 mg/kg bw   PNEC soil   0.099 mg/kg bw   PNEC soil   0.099 mg/kg bw   PNEC sewage treatment plant   100 mg/l   2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)   PNEL/DMEL (Workers)   Acute - systemic effects, dermal   89 mg/kg bodyweight/day   Acute - systemic effects, inhalation   1091 mg/m³   Acute - systemic effects, inhalation   246 mg/m³   Long-term - systemic effects, inhalation   98 mg/m³   DNEL/DMEL (General population)   Acute - systemic effects, inhalation   426 mg/m³   Acute - systemic effects, inhalation   427 mg/m³   Acute - systemic effects, inhalation   477 mg/m³   Acute - systemic effects, inhalation   59 mg/m³   Dng-term - systemic effects, inhalation   59 mg/m³   PNEC aqua (freshwater)   8.8 mg/l   PNEC aqua (freshwater)   8.8 mg/l   PNEC aqua (freshwater)   9.1 mg/l   PNEC aqua (freshwater)   9.1 mg/l   PNEC sediment (freshwater)   3.46 mg/kg bw   PNEC soil   2.33 mg/kg bw   PNEC soil   2.33 mg/kg bw   PNEC soil   2.33 mg/kg bw   PNEC soil   2.30 mg/kg food		0.021 mg/cm <sup>2</sup>	
PNEC aqua (marine water)   0.00115 mg/l     PNEC aqua (intermittent, freshwater)   0.115 mg/l     PNEC sediment (freshwater)   0.229 mg/kg bw     PNEC sediment (freshwater)   0.0229 mg/kg bw     PNEC sediment (marine water)   0.0229 mg/kg bw     PNEC (Soil)     PNEC Soil   0.099 mg/kg bw     PNEC (STP)     PNEC Sorie   100 mg/l     2-butoxyethanol, ethylene glycol monobuty   there, butyl cellosolve (111-76-2)     PNEC wage treatment plant   100 mg/l     2-butoxyethanol, ethylene glycol monobuty   there, butyl cellosolve (111-76-2)     PNEL Swage treatment plant   100 mg/l     2-butoxyethanol, ethylene glycol monobuty   there, butyl cellosolve (111-76-2)     PNEL Swage treatment plant   109 mg/m²     Acute - systemic effects, dermal   89 mg/kg bodyweight/day     Acute - systemic effects, inhalation   1246 mg/m²     Acute - systemic effects, inhalation   125 mg/kg bodyweight/day     DNEL/DMEL (General population)     Acute - systemic effects, dermal   426 mg/m²     Acute - systemic effects, dermal   426 mg/m²     Acute - systemic effects, inhalation   427 mg/m²     Acute - systemic effects, oral   426 mg/m²     Acute - systemic effects, oral   426 mg/m²     Acute - systemic effects, inhalation   47 mg/m²     Acute - systemic effects, inhalation   47 mg/m²     Acute - systemic effects, oral   6.3 mg/kg bodyweight     Acute - systemic effects, inhalation   59 mg/m²     Acute - systemic effects, oral   6.3 mg/kg bodyweight/day     Acute - focal effects, inhalation   59 mg/m²     Acute			
PNEC aqua (intermittent, freshwater)   0.115 mg/l   PNEC (Sediment)   PNEC sediment (freshwater)   0.229 mg/kg bw   PNEC sediment (marine water)   0.0229 mg/kg bw   PNEC (Soil)   PNEC (Soil)   0.099 mg/kg bw   PNEC (Soil)   PNEC Sewage treatment plant   100 mg/l   PNEC sewage treatment plant   100 mg/l   PNEL/DMEL (Workers)   DNEL/DMEL (Workers)   Acute - systemic effects, dermal   89 mg/kg bodyweight/day   Acute - systemic effects, inhalation   246 mg/m³   Acute - systemic effects, inhalation   98 mg/m³   DNEL/DMEL (General population)   Acute - systemic effects, dermal   89 mg/kg bodyweight/day   Acute - systemic effects, dermal   125 mg/kg bodyweight/day   Acute - systemic effects, dermal   98 mg/m³   Acute - systemic effects, dermal   98 mg/m³   Acute - systemic effects, dermal   256 mg/kg bodyweight/day   Acute - systemic effects, dermal   426 mg/m³   Acute - systemic effects, dermal   426 mg/m³   Acute - systemic effects, dermal   426 mg/m³   Acute - systemic effects, inhalation   477 mg/m³   Acute - systemic effects, inhalation   59 mg/m²   Acute - systemic effects, inhalation   59 mg/m²   Acute - systemic effects, inhalation   59 mg/m²   Acute - systemic effects, inhalation   98 mg/m²   Acute - systemic effects, inhalation   99 mg/m²   Acute - systemic effects,		·	
PNEC (Sediment)         0.229 mg/kg bw           PNEC sediment (freshwater)         0.0229 mg/kg bw           PNEC (Soil)         N.099 mg/kg bw           PNEC (Soil)         0.099 mg/kg bw           PNEC (STP)         N.099 mg/kg bw           PNEC (STP)           PNEC sewage treatment plant         100 mg/l           2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)           DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         1091 mg/m³           Acute - systemic effects, inhalation         246 mg/m³           Acute - systemic effects, inhalation         98 mg/kg bodyweight/day           Long-term - systemic effects, dermal         89 mg/kg bodyweight           Acute - systemic effects, inhalation         426 mg/m³           Acute - systemic effects, inhalation         426 mg/m³           Acute - systemic effects, inhalation         147 mg/m³           Acute - systemic effects, inhalation         147 mg/m³           Long-term - systemic effects, dermal         6.3 mg/kg bodyweight/day           Long-term - systemic effects, dermal         75 mg/kg body	, , , ,	0.00115 mg/l	
PNEC sediment (freshwater)         0.229 mg/kg bw           PNEC sediment (marine water)         0.0229 mg/kg bw           PNEC soil         0.099 mg/kg bw           PNEC soil         0.099 mg/kg bw           PNEC (STP)         ************************************	PNEC aqua (intermittent, freshwater)	0.115 mg/l	
PNEC sediment (marine water)         0.0229 mg/kg bw           PNEC (Soil)         0.099 mg/kg bw           PNEC (STP)         100 mg/l           PNEC sewage treatment plant         100 mg/l           2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)         DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         1091 mg/m³           Acute - local effects, inhalation         246 mg/m³           Long-term - systemic effects, dermal         125 mg/kg bodyweight/day           Long-term - systemic effects, dermal         125 mg/kg bodyweight/day           NEL/DMEL (General population)         426 mg/m³           Acute - systemic effects, inhalation         426 mg/m³           Acute - local effects, inhalation         426 mg/m³           Long-term - systemic effects, oral         6.3 mg/kg bodyweight/day           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         59 mg/m³           Long-term - systemic effects, dermal         0.8 mg/m²	PNEC (Sediment)		
PNEC (Soil)         0.099 mg/kg bw           PNEC (STP)         PNEC (STP)           PNEC sewage treatment plant         100 mg/l           2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)           DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         246 mg/m³           Acute - local effects, inhalation         246 mg/m³           Long-term - systemic effects, dermal         125 mg/kg bodyweight/day           Long-term - systemic effects, dermal         89 mg/kg bodyweight           Acute - systemic effects, dermal         89 mg/kg bodyweight           Acute - systemic effects, oral         26.7 mg/kg bodyweight           Acute - systemic effects, oral         26.7 mg/kg bodyweight           Acute - systemic effects, inhalation         147 mg/m³           Acute - systemic effects, inhalation         147 mg/m³           Long-term - systemic effects, dermal         59 mg/m³           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day           DNEC (Water)           PNEC aqua (freshwater)         8.8 mg/l <th colspan<="" td=""><td>PNEC sediment (freshwater)</td><td>0.229 mg/kg bw</td></th>	<td>PNEC sediment (freshwater)</td> <td>0.229 mg/kg bw</td>	PNEC sediment (freshwater)	0.229 mg/kg bw
PNEC soil         0.099 mg/kg bw           PNEC sewage treatment plant         100 mg/I           2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)           DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         1091 mg/m³           Long-term - systemic effects, inhalation         246 mg/m³           Long-term - systemic effects, inhalation         98 mg/m³           DNEL/DMEL (General population)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, oral         89 mg/kg bodyweight           Acute - systemic effects, oral         80 mg/kg bodyweight           Acute - systemic effects, oral         82 mg/kg bodyweight           Acute - systemic effects, inhalation         147 mg/m³           Acute - systemic effects, inhalation         147 mg/m³           Long-term - systemic effects, inhalation         59 mg/m³           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day	PNEC sediment (marine water)	0.0229 mg/kg bw	
PNEC (STP)           PNEC sewage treatment plant         100 mg/l           2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)           DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         1091 mg/m³           Acute - local effects, inhalation         246 mg/m³           Long-term - systemic effects, dermal         125 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         98 mg/m³           Acute - systemic effects, dermal         89 mg/kg bodyweight           Acute - systemic effects, demal         89 mg/kg bodyweight           Acute - systemic effects, inhalation         426 mg/m³           Acute - systemic effects, oral         26.7 mg/kg bodyweight           Acute - local effects, inhalation         147 mg/m³           Long-term - systemic effects, oral         6.3 mg/kg bodyweight/day           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day           Long-term - systemic effects, dermal         8.8 mg/l           PNEC aqua (mremittent, freshwater)         8.8 mg/l           PNEC aqua (mremittent, freshwater)         9.1 mg/l           PNEC	PNEC (Soil)		
PNEC sewage treatment plant 100 mg/l  2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)  NEL/DMEL (Workers)  Acute - systemic effects, dermal 89 mg/kg bodyweight/day  Acute - systemic effects, inhalation 1091 mg/m³  Acute - local effects, inhalation 246 mg/m³  Long-term - systemic effects, dermal 125 mg/kg bodyweight/day  DNEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/m³  NEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, inhalation 147 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (freshwater) 9.1 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC aqua (intermittent, freshwater) 34.6 mg/kg bw  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC (Soil)  PNEC Soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food		0.099 mg/kg bw	
PNEC sewage treatment plant 100 mg/l  2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)  NEL/DMEL (Workers)  Acute - systemic effects, dermal 89 mg/kg bodyweight/day  Acute - systemic effects, inhalation 1091 mg/m³  Acute - local effects, inhalation 246 mg/m³  Long-term - systemic effects, dermal 125 mg/kg bodyweight/day  DNEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/m³  NEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, inhalation 147 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (freshwater) 9.1 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC aqua (intermittent, freshwater) 34.6 mg/kg bw  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC Sediment (freshwater) 3.46 mg/kg bw  PNEC (Soil)  PNEC Soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food	PNEC (STP)		
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)           DNEL/DMEL (Workers)           Acute - systemic effects, dermal         89 mg/kg bodyweight/day           Acute - systemic effects, inhalation         1091 mg/m³           Long-term - systemic effects, dermal         125 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         98 mg/m³           DNEL/DMEL (General population)           Acute - systemic effects, dermal         89 mg/kg bodyweight           Acute - systemic effects, inhalation         426 mg/m³           Acute - systemic effects, oral         26.7 mg/kg bodyweight           Acute - systemic effects, oral         26.7 mg/kg bodyweight/day           Long-term - systemic effects, oral         6.3 mg/kg bodyweight/day           Long-term - systemic effects, inhalation         147 mg/m³           Long-term - systemic effects, inhalation         59 mg/m³           Long-term - systemic effects, inhalation         59 mg/m³           Long-term - systemic effects, dermal         75 mg/kg bodyweight/day           PNEC (Water)         8.8 mg/l           PNEC aqua (freshwater)         0.88 mg/l           PNEC aqua (marine water)         0.88 mg/l           PNEC sediment)         9.1 mg/l           PNEC sediment (freshwater)		100 mg/l	
DNEL/DMEL (Workers)		ether, butyl cellosolve (111-76-2)	
Acute - systemic effects, dermal 89 mg/kg bodyweight/day  Acute - systemic effects, inhalation 1091 mg/m³  Acute - local effects, inhalation 246 mg/m³  Long-term - systemic effects, dermal 125 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 88 mg/m³  DNEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC sediment)  PNEC sediment (freshwater) 3.46 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC (Soil)  PNEC (Oral)  PNEC Oral (secondary poisoning) 20 mg/kg food		ether, butyl cellosofive (111-70-2)	
Acute - systemic effects, inhalation 246 mg/m³ Long-term - systemic effects, dermal 125 mg/kg bodyweight/day Long-term - systemic effects, inhalation 98 mg/m³  DNEL/DMEL (General population) Acute - systemic effects, dermal 89 mg/kg bodyweight Acute - systemic effects, dermal 89 mg/kg bodyweight Acute - systemic effects, inhalation 426 mg/m³ Acute - systemic effects, oral 26.7 mg/kg bodyweight Acute - systemic effects, inhalation 147 mg/m³ Long-term - systemic effects, inhalation 59 mg/m³ Long-term - systemic effects, inhalation 59 mg/m³ Long-term - systemic effects, inhalation 59 mg/m³ PNEC aqua (freshwater) 8.8 mg/l PNEC aqua (freshwater) 8.8 mg/l PNEC aqua (fintermittent, freshwater) 9.1 mg/l PNEC aqua (intermittent, freshwater) 9.1 mg/l PNEC sediment (freshwater) 3.46 mg/kg bw PNEC sediment (marine water) 3.46 mg/kg bw PNEC soil 2.33 mg/kg bw PNEC soil 2.33 mg/kg bw PNEC oral (secondary poisoning) 20 mg/kg food	, ,	90 ma/l/a bodywaiaht/day	
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Long-term - systemic effects, dermal 125 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 98 mg/m³  DNEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC soil 2.33 mg/kg bw  PNEC (Soil)  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food	•		
Long-term - systemic effects, inhalation  DNEL/DMEL (General population)  Acute - systemic effects, dermal  Acute - systemic effects, inhalation  Acute - systemic effects, inhalation  Acute - systemic effects, inhalation  Acute - systemic effects, oral  Acute - systemic effects, oral  Acute - local effects, inhalation  Long-term - systemic effects, oral  Long-term - systemic effects, inhalation  Long-term - systemic effects, inhalation  Evaluation  Long-term - systemic effects, inhalation  Long-term - systemic effects, inhalation  Final properties of the systemic effects, inhalation  Long-term - systemic effects, inhalation  Evaluation  Final properties of the systemic effects, inhalation  Systemic effects, inhalation  Final properties of the systemic effects, inhalation  Systemic effects, effects, inhalation  Systemic effects, inhalation  Systemic effects, effects, inhalation  Systemic effects, inhalation  Systemic effects, effects, inhalation  Systemic effects, effects, inhalation  Systemic effects, effects, inhalation  Systemic effects, effects, effects, effects, effects, effects, effects, effect	·	3	
DNEL/DMEL (General population)  Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (freshwater) 3.46 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC (Oral)			
Acute - systemic effects, dermal 89 mg/kg bodyweight  Acute - systemic effects, inhalation 426 mg/m³  Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food		98 mg/m³	
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Acute - systemic effects, oral 26.7 mg/kg bodyweight  Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC (Soil)  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food	-		
Acute - local effects, inhalation 147 mg/m³  Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC (Soil)  PNEC (Soil)  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food		•	
Long-term - systemic effects, oral 6.3 mg/kg bodyweight/day  Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC (Soil)  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food			
Long-term - systemic effects, inhalation 59 mg/m³  Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC (Soil)  PNEC (Soil)  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food		<u> </u>	
Long-term - systemic effects, dermal 75 mg/kg bodyweight/day  PNEC (Water)  PNEC aqua (freshwater) 8.8 mg/l  PNEC aqua (marine water) 0.88 mg/l  PNEC aqua (intermittent, freshwater) 9.1 mg/l  PNEC (Sediment)  PNEC sediment (freshwater) 34.6 mg/kg bw  PNEC sediment (marine water) 3.46 mg/kg bw  PNEC soil  PNEC (Soil)  PNEC soil 2.33 mg/kg bw  PNEC (Oral)  PNEC oral (secondary poisoning) 20 mg/kg food	Long-term - systemic effects,oral		
PNEC (Water)           PNEC aqua (freshwater)         8.8 mg/l           PNEC aqua (marine water)         0.88 mg/l           PNEC aqua (intermittent, freshwater)         9.1 mg/l           PNEC (Sediment)         PNEC sediment (freshwater)           PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         PNEC (Soil)           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)	Long-term - systemic effects, inhalation	59 mg/m³	
PNEC aqua (freshwater)         8.8 mg/l           PNEC aqua (marine water)         0.88 mg/l           PNEC aqua (intermittent, freshwater)         9.1 mg/l           PNEC (Sediment)         9.1 mg/l           PNEC sediment (freshwater)         34.6 mg/kg bw           PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         PNEC soil           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)	Long-term - systemic effects, dermal	75 mg/kg bodyweight/day	
PNEC aqua (marine water)         0.88 mg/l           PNEC aqua (intermittent, freshwater)         9.1 mg/l           PNEC (Sediment)	PNEC (Water)		
PNEC aqua (intermittent, freshwater)  PNEC (Sediment)  PNEC sediment (freshwater)  PNEC sediment (marine water)  PNEC sediment (marine water)  PNEC (Soil)  PNEC soil  PNEC soil  PNEC (Oral)  PNEC oral (secondary poisoning)  20 mg/kg food	PNEC aqua (freshwater)	8.8 mg/l	
PNEC (Sediment)         34.6 mg/kg bw           PNEC sediment (freshwater)         34.6 mg/kg bw           PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         PNEC soil           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)           20 mg/kg food	PNEC aqua (marine water)	0.88 mg/l	
PNEC sediment (freshwater)         34.6 mg/kg bw           PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         PNEC soil           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)           20 mg/kg food	PNEC aqua (intermittent, freshwater)	9.1 mg/l	
PNEC sediment (freshwater)         34.6 mg/kg bw           PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         PNEC soil           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)           20 mg/kg food	PNEC (Sediment)		
PNEC sediment (marine water)         3.46 mg/kg bw           PNEC (Soil)         2.33 mg/kg bw           PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)           20 mg/kg food	PNEC sediment (freshwater)	34.6 mg/kg bw	
PNEC (Soil)           PNEC soil         2.33 mg/kg bw           PNEC (Oral)           PNEC oral (secondary poisoning)         20 mg/kg food	, ,		
PNEC soil         2.33 mg/kg bw           PNEC (Oral)         PNEC oral (secondary poisoning)           20 mg/kg food	,		
PNEC (Oral) PNEC oral (secondary poisoning) 20 mg/kg food	` '	2.33 mg/kg bw	
PNEC oral (secondary poisoning) 20 mg/kg food			
	,	20 mg/kg food	
PNEC sewage treatment plant 463 mg/l	, ,	463 mg/l	
		100 mg/l	
methanol (67-56-1)			
DNEL/DMEL (Workers)	DNEL/DMEL (Workers)		

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methanol (67-56-1)	
Acute - systemic effects, dermal	40 mg/kg bodyweight/day
Acute - systemic effects, inhalation	260 mg/m³
Acute - local effects, inhalation	260 mg/m³
Long-term - systemic effects, dermal	40 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	260 mg/m³
Long-term - local effects, inhalation	260 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	8 mg/kg bodyweight
Acute - systemic effects, inhalation	50 mg/m³
Acute - systemic effects, oral	8 mg/kg bodyweight
Acute - local effects, inhalation	50 mg/m³
Long-term - systemic effects,oral	8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	50 mg/m³
Long-term - systemic effects, dermal	8 mg/kg bodyweight/day
Long-term - local effects, inhalation	50 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	<= 20.8 mg/l
PNEC aqua (marine water)	2.08 mg/l
PNEC aqua (intermittent, freshwater)	1540 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	77 mg/kg bw
PNEC sediment (marine water)	7.7 mg/kg bw
PNEC (Soil)	
PNEC soil	100 mg/kg bw
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

## 8.2. Exposure controls

## Appropriate engineering controls:

Ensure that there is a suitable ventilation system.

#### Hand protection:

Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection: nitrilrubber / 0,4 mm. penetration time (maximum wearing period): > 480 min. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

## Eye protection:

Wear eye glasses with side protection according to EN 166. Provide readily accessible eye wash stations and safety showers.

## Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

Keep self contained breathing apparatus readily available for emergency use.

## Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use.

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

9.1.	Information on	basic physical ar	nd chemical properties

Physical state : Liquid
Colour : White.
Odour : characteristic.
Odour threshold : No data available

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: No data available рΗ Relative evaporation rate (butylacetate=1) : No data available No data available Melting point Freezing point : No data available : No data available Boiling point : 60 - 93 °C Flash point Auto-ignition temperature : No data available : No data available Decomposition temperature : Non flammable. Flammability (solid, gas) Vapour pressure No data available Relative vapour density at 20 °C No data available Relative density : No data available Solubility : No data available : No data available Log Pow Viscosity, kinematic No data available : No data available Viscosity, dynamic Explosive properties : No data available Oxidising properties : No data available **Explosive limits** : No data available

#### 9.2. Other information

No additional information available

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

#### 10.1. Reactivity

Stable under normal conditions.

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

## 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

## 10.5. Incompatible materials

Strong acid. Strong oxidizers.

## 10.6. Hazardous decomposition products

May liberate toxic gases.

LC50 inhalation rat (mg/l)

LC50 inhalation rat (ppm)

## **SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane (30583-72-3)	
LD50 oral rat	2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)	
LD50 oral	1414 mg/kg Guinea pig
LD50 dermal	6411 mg/kg Guinea pig
LC50 inhalation rat (ppm)	> 800 ppm 4h
methanol (67-56-1)	
LD50 oral rat	700 mg/kg
LD50 oral	1400 mg/kg
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)

Skin corrosion/irritation : Not classified

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85 mg/l/4h (Rat; Literature study)

64000 ppm/4h (Rat; Literature study)

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

Serious eye damage/irritation : Not classified

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

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

Germ cell mutagenicity : Not classified

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

Carcinogenicity : Not classified

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

Reproductive toxicity : Not classified

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

STOT-single exposure : Not classified

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

STOT-repeated exposure : Not classified

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

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	150 mg/kg bodyweight/day
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	31 - 62.5 ppm

Aspiration hazard : Not classified

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

Potential adverse human health effects and : Based on available data, the classification criteria are not met.

symptoms

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Acute aquatic toxicity : Not classified Chronic aquatic toxicity : Not classified

4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane (30583-72-3)		
LC50 fishes	11.5 mg/l	
EC50 72h algae (1)	100 mg/l	

2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)		
LC50 fishes	1474 mg/l	
EC50 Daphnia	1.55 - 1.8 g/l	
EC50 72h algae (1)	911 - 1840 mg/l	

EC50 72h algae (1)	911 - 1840 mg/l
methanol (67-56-1)	
LC50 fishes	15400 mg/l (96 h; Lepomis macrochirus; Lethal)
LC50 fish 2	10800 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia	> 10000 mg/l (48 h; Daphnia magna; Lethal)
EC50 Daphnia 2	24500 mg/l (48 h; Daphnia magna; Locomotor effect)
EC50 96h algae (1)	22000 mg/l
Threshold limit other aquatic organisms 1	6600 mg/l (16 h; Pseudomonas putida)
Threshold limit algae 1	530 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	8000 mg/l (168 h; Scenedesmus quadricauda)

## 12.2. Persistence and degradability

2C Colour Coat (A-comp.)		
Persistence and degradability	Not biodegradable.	
methanol (67-56-1)		
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.	
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O₂/g substance	
Chemical oxygen demand (COD)	1.42 g O₂/g substance	
ThOD	1.5 g O₂/g substance	
BOD (% of ThOD)	0.8 % ThOD	

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## 12.3. Bioaccumulative potential

2C Colour Coat (A-comp.)		
Bioaccumulative potential No bioaccumulation.		
4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane (30583-72-3)		
Log Pow	3.84 @ 20 °C and pH 7	

## 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve (111-76-2)

Log Pow 0.8

<u> </u>		
methanol (67-56-1)		
BCF fish 1 < 10 (72 h; Leuciscus idus)		
BCF fish 2	1 (72 h; Cyprinus carpio; Blood)	
Log Pow -0.77 (Experimental value; Other)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

## 12.4. Mobility in soil

2C Colour Coat (A-comp.)		
Ecology - soil Adsorbs into the soil.		
methanol (67-56-1)		
Surface tension	0.023 N/m (20 °C)	

## 12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shippi	14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard	14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available					

## 14.6. Special precautions for user

## - Overland transport

Not applicable

## - Transport by sea

Not applicable

#### - Air transport

Not applicable

## - Inland waterway transport

Not applicable

## - Rail transport

Not applicable

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

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	4,4'-Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3-epoxypropane - 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve - methanol
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	methanol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	2C Colour Coat (A-comp.) - 4,4'- Isopropylidenedicyclohexanol, oligomeric reaction products with 1-chloro-2,3- epoxypropane - 2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve - methanol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	methanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

#### Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1B	Skin sensitisation, category 1B	
STOT SE 1	Specific target organ toxicity — single exposure, Category 1	
H225	Highly flammable liquid and vapour	
H301	Toxic if swallowed.	

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## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H302	Harmful if swallowed.	
H311	Toxic in contact with skin.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H332	Harmful if inhaled.	
H370	Causes damage to organs.	

#### Full text of use descriptors

Tuli text of use descriptors			
PC9a	Coatings and paints, thinners, paint removers		
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Skin Sens. 1	H317	Calculation method	

## SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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