

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Aroclor 1232 100ug/mL in methanol  
 Product code : F113231  
 BIG No : 10029

#### 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  
 Use of the substance/mixture : Reference material  
 Function or use category : Laboratory chemicals

##### 1.2.2. Uses advised against

No additional information available

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

##### Spectracer UK Ltd.

Third Floor,  
 55 Blandford Street,  
 London,  
 W1U 7HW,  
 United Kingdom.

Tel: +44 (0) 207 193 9114

Fax: +44 (0) 203 432 4686

Email: [contact@spectracer.co.uk](mailto:contact@spectracer.co.uk)

Web: [www.spectracer.com](http://www.spectracer.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (NHS Direct)	<a href="http://www.npis.org">http://www.npis.org</a>	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)	

### SECTION 2: Hazards identification

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

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

Flammable liquids, Category 2 H225  
 Acute toxicity (oral), Category 3 H301  
 Acute toxicity (dermal), Category 3 H311  
 Acute toxicity (inhalation:vapour) Category 3 H331  
 Specific target organ toxicity — single exposure, Category 1 H370  
 Specific target organ toxicity — Repeated exposure, Category 2 H373

Full text of H-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. Causes damage to organs. Toxic in contact with skin. Toxic if inhaled. Toxic if swallowed.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



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	GHS02	GHS06	GHS08
Signal word (CLP)	: Danger		
Hazardous ingredients	: Aroclor 1232; methanol		
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled. H370 - Causes damage to organs. H373 - May cause damage to organs through prolonged or repeated exposure.		
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P304+P340+P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor. P308+P311 - IF exposed or concerned: Call a POISON CENTER or doctor. P312 - Call a POISON CENTRE or doctor if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.		

### 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	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
methanol	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44-XXXX	≥ 90	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
Aroclor 1232	(CAS-No.) 11141-16-5 (EC-No.) 623-278-0 (EC Index-No.) 602-039-00-4	< 0,05	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### 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-XXXX	( 3 ≤C < 10) STOT SE 2, H371 ( 10 ≤C < 100) STOT SE 1, H370
Aroclor 1232	(CAS-No.) 11141-16-5 (EC-No.) 623-278-0 (EC Index-No.) 602-039-00-4	( 0,005 ≤C < 100) STOT RE 2, H373

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a doctor.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Call a physician immediately.

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

No additional information available

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Fire hazard : Highly flammable liquid and vapour.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes and clothing.

##### 6.1.2. For emergency responders

:

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### methanol (67-56-1)

EU	Local name	Methanol
EU	IOELV TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	200 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Austria	Local name	Methanol (Methylalkohol)
Austria	MAK [mg/m <sup>3</sup> ]	260 mg/m <sup>3</sup>
Austria	MAK [ppm]	200 ppm
Austria	MAK Short time value [mg/m <sup>3</sup> ]	1040 mg/m <sup>3</sup> (4x 15(Miw) min)
Austria	MAK Short time value [ppm]	800 ppm (4x 15(Miw) min)

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methanol (67-56-1)		
Austria	Remark (AT)	H
Austria	Regulatory reference	BGBI. II Nr. 382/2020
Belgium	Local name	Alcool méthylique # Methanol
Belgium	Limit value [mg/m <sup>3</sup> ]	266 mg/m <sup>3</sup>
Belgium	Limit value [ppm]	200 ppm
Belgium	Short time value [mg/m <sup>3</sup> ]	333 mg/m <sup>3</sup>
Belgium	Short time value [ppm]	250 ppm
Belgium	Remark (BE)	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Belgium	Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Bulgaria	Local name	Метилов алкохол
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Bulgaria	OEL TWA (ppm)	200 ppm
Bulgaria	Notes	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Bulgaria	Regulatory reference	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.5 от 17 Януари 2020 г.)
Croatia	Local name	Metanol
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	Naznake (HR)	Direktiva: 2006/15/EZ. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315))
Croatia	Croatia - BLV	24,7 mmol/mol Creatinine Karakteristični pokazatelj: metanol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene 7 mg/g creatinine Karakteristični pokazatelj: metanol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Cyprus	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Cyprus	OEL TWA (ppm)	200 ppm
Cyprus	Regulatory reference	Κανονισμοί του 2007 (Κ.Δ.Π. 295/2007)
Czech Republic	Local name	Methanol (Methylalkohol)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (ppm)	188 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (ppm)	751 ppm

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methanol (67-56-1)		
Czech Republic	Remark (CZ)	D - při expozici se významně uplatňuje pronikání faktoru kůží, B - u látky je zaveden biologický expoziční test (BET) v moči nebo krvi.
Czech Republic	Czech Republic - BLV	15 mg/l Ukazatel: Methanol - Biološki uzorak: moči - Doba odběru: konec směny 0,47 mmol/l Ukazatel: Methanol - Biološki uzorak: moči - Doba odběru: konec směny
Czech Republic	Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 41/2020 Sb.)
Denmark	Local name	Methanol (Methylalkohol)
Denmark	Grænseværdi (8 timer) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Denmark	Grænseværdi (8 timer) (ppm)	200 ppm
Denmark	Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi); H (betyder, at stoffet kan optages gennem huden)
Denmark	Regulatory reference	BEK nr 698 af 28/05/2020
Estonia	Local name	Metanool (metüülalkohol)
Estonia	OEL TWA (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	200 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	250 ppm
Estonia	Remark (ET)	A (Naha kaudu kergesti imenduv aine)
Estonia	Regulatory reference	Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 17.10.2019, 2); Vabariigi Valitsuse 10. märtsi 2019. a määruse nr 84
Finland	Local name	Metanoli
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	330 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	250 ppm
Finland	Huomautus (FI)	Iho
Finland	Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
France	Local name	Méthanol (alcool méthylique)
France	VME [mg/m <sup>3</sup> ]	260 mg/m <sup>3</sup>
France	VME [ppm]	200 ppm
France	Note (FR)	Valeurs réglementaires contraignantes; risque de pénétration percutanée
France	Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487)
Germany	TRGS 900 Local name	Methanol
Germany	Occupational exposure limit value (mg/m <sup>3</sup> )	130 mg/m <sup>3</sup>
Germany	Occupational exposure limit value (ppm)	100 ppm
Germany	Peak exposure limitation factor	2(II)
Germany	TRGS 900 Remark	DFG;EU;H;Y
Germany	TRGS 900 Regulatory reference	TRGS900
Germany	TRGS 903 Local name	Methanol

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methanol (67-56-1)		
Germany	TRGS 903 Biological limit value	15 mg/l Parameter: Methanol - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende, c) bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten - Festlegung/Begründung: 11/2019 DFG
Germany	TRGS 903 Regulatory reference	TRGS 903
Germany	Acceptable concentration notes	
Gibraltar	Eight hours mg/m <sup>3</sup>	260 mg/m <sup>3</sup>
Gibraltar	Eight hours ppm	200 ppm
Gibraltar	Name of agent	Methanol
Gibraltar	Notation	Skin
Gibraltar	Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece	Local name	Μεθανόλη
Greece	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	250 ppm
Greece	Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary	Local name	METANOL
Hungary	AK-érték	260 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat); EU2 (2006/15/EK irányelvben közölt érték); R+T (Azok az anyagok, amelyek RÖVID és TARTÓS expozíciója is egészségkárosodást okoz)
Hungary	Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland	Local name	Methanol [Methyl alcohol]
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
Italy	Local name	Metanolo
Italy	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	200 ppm
Italy	Notes	Cute
Italy	Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia	Local name	Metanols (metilspirts, karbinols)
Latvia	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	200 ppm
Latvia	Remark (LV)	Āda
Latvia	Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325

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methanol (67-56-1)		
Lithuania	Local name	Metanolis (metilo alkoholis)
Lithuania	IPRV (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	200 ppm
Lithuania	Remark (LT)	O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą)
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg	Local name	Méthanol
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Luxembourg	OEL TWA (ppm)	200 ppm
Luxembourg	Regulatory reference	Mémorial A N° 684 de 2018 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail
Malta	Local name	Methanol
Malta	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	200 ppm
Malta	Remark (MT)	Skin # Ġilda
Malta	Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)
Netherlands	Local name	Methanol
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	133 mg/m <sup>3</sup>
Netherlands	Remark (MAC)	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2020
Poland	Local name	Metanol (metylowy alkohol)
Poland	NDS (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Poland	Remark (PL)	Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).
Poland	Regulatory reference	Dz. U. 2018 poz. 1286
Portugal	Local name	Metanol (Álcool metílico)
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	250 ppm
Portugal	Portugal (BEI)	15 mg/l Parâmetro: Metanol - Meio: urina - Momento da amostragem: Fim do turno - Notação: Vb (Valor basal), Ne (Não específico)
Slovakia	Regulatory reference	Norma Portuguesa NP 1796:2014
Romania	Local name	Metanol/Alcool metilic
Romania	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	200 ppm
Romania	Romania - BLV	6 mg/l Indicador biologic: Metanol - Material biologic: urină - Momentul recoltării: sfârșit de schimb

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methanol (67-56-1)		
Romania	Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 157/2020)
Slovakia	Local name	Metylalkohol (metanol)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	Upozornenie (SK)	K - znamená, že faktor môže byť ľahko absorbovaný kožou
Slovakia	Slovakia - BLV	30 µg/l Zisťovaný faktor: Metanol - Vyšetovaný materiál: moč - Čas odberu vzorky: c) pri dlhodobej expozícii; po viacerých pracovných zmenách, b) koniec expozície alebo pracovnej zmeny
Slovakia	Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovenia	Local name	metanol (metilalkohol)
Slovenia	OEL TWA (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	1040 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	800 ppm
Slovenia	Remark (SI)	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biolóška mejna vrednost), EU
Slovenia	Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Spain	Local name	Metanol (Alcohol metílico)
Spain	VLA-ED (mg/m <sup>3</sup> )	266 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	200 ppm
Spain	Notes	Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), VLB® (Agente químico que tiene Valor Límite Biológico), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Spain		15 mg/l Parámetro: Metanol - Medio: Orina - Momento de muestreo: Final de la jornada laboral - Notas: F (Fondo. El indicador está generalmente presente en cantidades detectables en personas no expuestas laboralmente. Estos niveles de fondo están considerados en el valor VLB), I (Significa que el indicador biológico es inespecífico puesto que puede encontrarse después de la exposición a otros agentes químicos)
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden	Local name	Metanol
Sweden	Nivågränsvärde (NVG) (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
Sweden	Nivågränsvärde (NVG) (ppm)	200 ppm
Sweden	Kortidsvärde (KTV) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Sweden	Kortidsvärde (KTV) (ppm)	250 ppm



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methanol (67-56-1)		
Sweden	Anmärkning (SE)	H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); V (Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	Local name	Methanol
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	266 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	333 mg/m <sup>3</sup>
United Kingdom	WEL STEL (OEL STEL) [ppm]	250 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)
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland	Local name	Metanól (metýlalkóhól, tréspíritus)
Iceland	OEL (8 hours ref) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Iceland	OEL (8 hours ref) (ppm)	200 ppm
Iceland	Notes (IS)	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway	Local name	Metanol
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	130 mg/m <sup>3</sup>
Norway	Grenseverdier (AN) (ppm)	100 ppm
Norway	Merknader (NO)	H: Kjemikalier som kan tas opp gjennom huden; E: EU har en veiledende grenseverdi for stoffet.
Norway	Regulatory reference	FOR-2020-04-06-695
Switzerland	Local name	Méthanol / Methanol [Methylalkohol]
Switzerland	MAK (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Switzerland	MAK (ppm)	200 ppm
Switzerland	KZGW (mg/m <sup>3</sup> )	520 mg/m <sup>3</sup>
Switzerland	KZGW (ppm)	400 ppm
Switzerland	Critical toxicity	SNC / ZNS
Switzerland	Notation	R, SS <sub>c</sub> , B / H, SS <sub>c</sub> , B
Switzerland	Remark	INRS, NIOSH
Switzerland	Regulatory reference	www.suva.ch, 01.01.2021
USA - ACGIH	Local name	Methanol
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	250 ppm
USA - ACGIH	Remark (ACGIH)	TLV® Basis: Headache; eye dam; dizziness; nausea. Notations: Skin; BEI
USA - ACGIH	Regulatory reference	ACGIH 2020

Aroclor 1232 (11141-16-5)		
Austria	Local name	Chlorierte Biphenyle (Biphenyle, chlorierte; PCB)

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Aroclor 1232 (11141-16-5)		
Austria	MAK [mg/m <sup>3</sup> ]	1 mg/m <sup>3</sup> (Chlorgehalt 42%)
Austria	MAK [ppm]	0,1 ppm (Chlorgehalt 42%)
Austria	MAK Short time value [mg/m <sup>3</sup> ]	10 mg/m <sup>3</sup> (Chlorgehalt 42%, 1x 30(Miw) min)
Austria	MAK Short time value [ppm]	1 ppm (Chlorgehalt 42%, 1x 30(Miw) min)
Austria	Remark (AT)	H. Fortpflanzungsgefährdend: F, D. Krebszeugend: III B
Austria	Regulatory reference	BGBl. II Nr. 382/2020
Croatia	Local name	Poliklorobifenili (PCB)
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Croatia	Naznake (HR)	K (Skin): (naznaka da tvar može štetno djelovati kroz kožu); Xn (Štetno); N (opasno za okoliš)
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Czech Republic	Local name	Polychlorované bifenyly (technické)
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Czech Republic	Remark (CZ)	D, P
Denmark	Local name	Polychlorerede biphenyler (Chlorerede biphenyler; PCB)
Denmark	Grænseværdi (8 timer) (mg/m <sup>3</sup> )	0,01 mg/m <sup>3</sup>
Denmark	Anmærkninger (DK)	H (betyder, at stoffet kan optages gennem huden); K (betyder, at stoffet anses for at kunne være kræftfremkaldende)
Denmark	Regulatory reference	BEK nr 698 af 28/05/2020
Finland	Local name	PCB (polyklooratut bifenyylit)
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	0,003 mg/m <sup>3</sup>
Finland	Huomautus (FI)	iho, kokonais- PCB = 5 × ([PCB 28] + [PCB 52] + [PCB 101] + [PCB 138] + [PCB 153] + [PCB 180])
Finland	Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveystieteiden ministeriö)
Germany	TRGS 900 Local name	1,1'-Biphenyl, Chloridivate (Chlorierte Biphenyle (Gesamt-PCB))
Germany	Occupational exposure limit value (mg/m <sup>3</sup> )	0,003 mg/m <sup>3</sup> (E)
Germany	Peak exposure limitation factor	8(II)
Germany	TRGS 900 Remark	AGS;DFG;11;23;H;Z
Germany	TRGS 900 Regulatory reference	TRGS900
Germany	TRGS 903 Local name	Chlorierte Biphenyle (Gesamt-PCB)
Germany	TRGS 903 Biological limit value	15 µg/l Parameter: ∑ PCB 28, PCB 52, PCB 101, PCB 138, PCB 153, PCB 180 - Untersuchungsmaterial: P = Plasma - Probenahmezeitpunkt: a) keine Beschränkung - Festlegung/Begründung: 11/2019 DFG
Germany	TRGS 903 Remark	Bis zu einer Konzentration von 3,5 µg PCB-Indikator kongenere/L Plasma ist eine fruchtschädigende Wirkung nicht anzunehmen.
Germany	TRGS 903 Regulatory reference	TRGS 903
Germany	Acceptable concentration notes	
Ireland	Local name	Chlorinated biphenyls
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Ireland	Notes (IE)	Sk

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Aroclor 1232 (11141-16-5)		
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
Lithuania	Local name	Polichlorinti bifenilai (PCB)
Lithuania	IPRV (mg/m <sup>3</sup> )	0,01 mg/m <sup>3</sup>
Lithuania	TPRV (mg/m <sup>3</sup> )	0,03 mg/m <sup>3</sup>
Lithuania	Remark (LT)	KO
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Poland	Local name	Polichlorowane bifenyly (dwufenyly pochodne chlorowane)
Poland	NDS (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Slovakia	Local name	Polychlórované bifenyly (PCB)
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Slovakia	Upozornenie (SK)	K - znamená, že faktor môže byť ľahko absorbovaný kožou
Slovakia	Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovenia	Local name	1,1'-bifenil – kloriran (kloriran bifenil (skupni-PCB))
Slovenia	OEL TWA (mg/m <sup>3</sup> )	0,003 mg/m <sup>3</sup>
Slovenia	OEL STEL (mg/m <sup>3</sup> )	0,024 mg/m <sup>3</sup>
Slovenia	Remark (SI)	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo)
Slovenia	Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Sweden	Local name	PCB (polychlorinated biphenyls)
Sweden	Nivågränsvärde (NVG) (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
Sweden	Kortidsvärde (KTV) (mg/m <sup>3</sup> )	0,03 mg/m <sup>3</sup>
Sweden	Anmärkning (SE)	C (Ämnet är cancerframkallande. Risk för cancer finns även vid annan exponering än via inandning. För vissa cancerframkallande ämnen som inte har gränsvärden gäller förbud eller tillståndskrav enligt föreskrifterna om kemiska arbetsmiljörisker); H (Ämnet kan lätt upptas genom huden. Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga); V (Vägledande kortidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	Local name	Polychlorinated biphenyls (PCB)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,1 mg/m <sup>3</sup>
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	EH40/2005 (Fourth edition, 2020). HSE
Iceland	Local name	Fjölklóraðir bifenylyar (klóraðir bifenylyar, PCB)
Iceland	OEL (15 min ref) (mg/m <sup>3</sup> )	0,01 mg/m <sup>3</sup>
Iceland	Notes (IS)	H (efnið getur auðveldlega borist inn í líkamann gegnum húð), K (efnið er krabbameinsvaldandi)
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway	Local name	PCB (polyklorerte bifenyler)
Norway	Grenseverdier (AN) (mg/m <sup>3</sup> )	0,01 mg/m <sup>3</sup>

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Norway	Merknader (NO)	H (Kjemikalier som kan tas opp gjennom huden); K (Kjemikalier som skal betraktes som kreftfremkallende)
Norway	Regulatory reference	FOR-2020-04-06-695
Switzerland	Local name	Diphényles chlorés / Chlorierte Biphenyle [Polychlorierte Biphenyle (PCB)]
Switzerland	MAK (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Switzerland	MAK (ppm)	0,05 ppm
Switzerland	KZGW (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Switzerland	KZGW (ppm)	0,4 ppm
Switzerland	Critical toxicity	VRS, Chloracné, Foie, Yeux / OAW, Chlorakne, Leber, Auge
Switzerland	Notation	R, C2, R1 <sub>BD</sub> , R1 <sub>BF</sub> , SS <sub>B</sub> , B / H, C2, R1 <sub>BD</sub> , R1 <sub>BF</sub> , SS <sub>B</sub> , B
Switzerland	Remark	NIOSH, DFG
Switzerland	Regulatory reference	www.suva.ch, 01.01.2021

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Safety glasses. Protective clothing.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Odour	: Characteristic odour. Mild odour. Pleasant odour. Alcohol odour.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 64,7 °C (1013 hPa)
Flash point	: 9,7 °C (1013 hPa)
Critical temperature	: 240 °C

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Auto-ignition temperature	: 455 °C (1013 hPa)
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 169,27 hPa (25 °C)
Vapour pressure at 50 °C	: 552 hPa
Relative vapour density at 20 °C	: No data available
Relative density	: 0,79 – 0,8 (20 °C)
Solubility	: Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Miscible with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0,544 – 0,59 mPa·s (25.0 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 5,5 – 36,5 vol %

### 9.2. Other information

VOC content : > 99 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Toxic if swallowed or in contact with skin.
Acute toxicity (dermal)	: Toxic in contact with skin or if inhaled.
Acute toxicity (inhalation)	: Toxic if inhaled.

ATE CLP (oral)	100,01 mg/kg bodyweight
ATE CLP (dermal)	300,03 mg/kg bodyweight
ATE CLP (vapours)	3 mg/l/4h

### methanol (67-56-1)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	15800 mg/kg
LC50 Inhalation - Rat	85 mg/l/4h
LC50 Inhalation - Rat [ppm]	64000 ppm/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### methanol (67-56-1)

LC50 fish 1 15400 mg/l Lepomis macrochirus (Bluegill)

EC50 Daphnia 1 > 10000 mg/l

EC50 96h algae (1) 22000 mg/l Selenastrum capricornutum

NOEC (chronic) 122 mg/l daphnia

NOEC chronic fish 447 mg/l Pimephales promelas

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

#### methanol (67-56-1)

Partition coefficient n-octanol/water (Log Pow) -0,77

#### 12.4. Mobility in soil

No additional information available

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

#### Component

methanol (67-56-1) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

### SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 1230	UN 1230	UN 1230	UN 1230	UN 1230
<b>14.2. UN proper shipping name</b>				
METHANOL	METHANOL	Methanol	METHANOL	METHANOL
<b>Transport document description</b>				
UN 1230 METHANOL, 3 (6.1), II, (D/E)	UN 1230 METHANOL, 3 (6.1), II (12°C c.c.)	UN 1230 Methanol, 3 (6.1), II	UN 1230 METHANOL, 3 (6.1), II	UN 1230 METHANOL, 3 (6.1), II
<b>14.3. Transport hazard class(es)</b>				
3 (6.1)	3 (6.1)	3 (6.1)	3 (6.1)	3 (6.1)

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### 14.4. Packing group

II

II

II

II

II

### 14.5. Environmental hazards

Dangerous for the environment : No

Dangerous for the environment : No  
Marine pollutant : No

Dangerous for the environment : No

Dangerous for the environment : No

Dangerous for the environment : No

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : FT1  
Special provisions (ADR) : 279  
Limited quantities (ADR) : 1I  
Excepted quantities (ADR) : E2  
Packing instructions (ADR) : P001, IBC02  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T7  
Portable tank and bulk container special provisions (ADR) : TP2  
Tank code (ADR) : L4BH  
Tank special provisions (ADR) : TU15  
Vehicle for tank carriage : FL  
Transport category (ADR) : 2  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
Special provisions for carriage - Operation (ADR) : S2, S19  
Hazard identification number (Kemler No.) : 336  
Orange plates :

336

1230

Tunnel restriction code (ADR) : D/E  
EAC code : •2WE  
APP code : A(fl)

#### Transport by sea

Special provisions (IMDG) : 279  
Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP2  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-D  
Stowage category (IMDG) : B  
Stowage and handling (IMDG) : SW2  
Flash point (IMDG) : 12°C c.c.

#### Air transport

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y341  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 352  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 364

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CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A104, A113
ERG code (IATA)	: 3L
<b>Inland waterway transport</b>	
Classification code (ADN)	: FT1
Special provisions (ADN)	: 279, 802
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, TOX, A
Ventilation (ADN)	: VE01, VE02
Number of blue cones/lights (ADN)	: 2

### Rail transport

Classification code (RID)	: FT1
Special provisions (RID)	: 279
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP2
Tank codes for RID tanks (RID)	: L4BH
Special provisions for RID tanks (RID)	: TU15
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW28
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 336

### 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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Organic solvent

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : > 99 %

#### 15.1.2. National regulations

##### Germany

Regulatory reference : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Storage class (LGK) : LGK 3 - Flammable liquids

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed



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SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

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

Flam. Liq. 2	H225
Acute Tox. 3 (Oral)	H301

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Acute Tox. 3 (Dermal)	H311
Acute Tox. 3 (Inhalation:vapour)	H331
STOT SE 1	H370
STOT RE 2	H373

### 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 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Flam. Liq. 2	H225	On basis of test data
Acute Tox. 3 (Oral)	H301	Calculation method
Acute Tox. 3 (Dermal)	H311	Calculation method
Acute Tox. 3 (Inhalation:vapour)	H331	Calculation method
STOT SE 1	H370	Calculation method
STOT RE 2	H373	Calculation method

SDS EU Mod H F (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.*