Copper Chloride-Pyridine Reagent
British Pharmacopoeia Reagent

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) as amended

Date of issue: 1/11/2013 Revision date: 21/12/2018 Version: 2.0

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

1.1. Product identifier

Product form : Mixture

Product name : Copper Chloride-Pyridine Reagent
British Pharmacopoeia Reagent

Product code : BPR086

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,Industrial use

Use of the substance/mixture : Laboratory chemical

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Spectracer UK Ltd.
Second Floor,
27 Gloucester Place,
London,
W1U 8HU,
United Kingdom.

Tel: +44 (0) 207 193 9114
Fax:+44 (0) 203 432 4686
Email: contact@spectracer.co.uk
Web: www.spectracer.com

1.4. Emergency telephone number

Emergency number : Tel: +44(0)1933 445260 Option 1. Language: English only.
For Chemical Emergencies Only
Llewellyn (Safety Advisors) Europe Ltd

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	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 4	H302
Acute toxicity (dermal), Category 4	H312
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361
Specific target organ toxicity — Repeated exposure, Category 1	H372

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful in contact with skin. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08

Signal word (CLP) : Danger

Hazardous ingredients : carbon disulfide; pyridine

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H302+H312 - Harmful if swallowed or in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H361 - Suspected of damaging fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) : P201 - Obtain special instructions before use.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash skin thoroughly after handling.
P280 - Wear eye protection, face protection, protective clothing, protective gloves.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTRE or doctor if you feel unwell.
P314 - Get medical advice/attention if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.

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]
pyridine	(CAS-No.) 110-86-1 (EC-No.) 203-809-9 (EC Index-No.) 613-002-00-7 (REACH-no) 01-2119493105-40-XXXX	>= 90	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
carbon disulfide	(CAS-No.) 75-15-0 (EC-No.) 200-843-6 (EC Index-No.) 006-003-00-3 (REACH-no) 1-2119543707-33-XXXX	< 5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361fd STOT RE 1, H372
copper chloride, dihydrate	(CAS-No.) 10125-13-0 (EC-No.) 231-210-2 (REACH-no) 01-2119970306-36-XXXX	< 0,5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
carbon disulfide	(CAS-No.) 75-15-0 (EC-No.) 200-843-6 (EC Index-No.) 006-003-00-3 (REACH-no) 1-2119543707-33-XXXX	(0,2 =<C < 1) STOT RE 2, H373 (C >= 1) STOT RE 1, H372 (C >= 1) Repr. 2, H361fd

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

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

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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 : Ensure good ventilation of the work station. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing.

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

copper chloride, dihydrate (10125-13-0)		
EU	Local name	Copper(II) chloride
EU	IOELV TWA (mg/m³)	0,01 mg/m³ (respirable fraction)
EU	Notes	(Year of adoption 2014)
EU	Regulatory reference	SCOEL Recommendations
Finland	Local name	Kupari-(II)-kloridi, dihydraatti
Finland	HTP-arvo (8h) (mg/m³)	0,02 mg/m³ Cu, alveolijae
Finland	Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö)
Ireland	Local name	Copper (as Cu)
Ireland	OEL (8 hours ref) (mg/m³)	0,2 mg/m³ Fume 1 mg/m³ Dusts and mists
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Copper
United Kingdom	WEL TWA (mg/m³)	0,2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu)
United Kingdom	WEL STEL (mg/m³)	2 mg/m³ and compounds, dusts and mists (as Cu)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Australia	Local name	Copper
Australia	TWA (mg/m³)	0,2 mg/m³ fume 1 mg/m³ dusts & mists (as Cu)
USA - OSHA	Local name	Copper
USA - OSHA	OSHA PEL (TWA) (mg/m³)	0,1 mg/m³ (Fume (as Cu)) 1 mg/m³ (Dusts and mists (as Cu))

carbon disulfide (75-15-0)		
EU	Local name	Carbon disulphide
EU	IOELV TWA (mg/m³)	15 mg/m³
EU	IOELV TWA (ppm)	5 ppm
EU	Notes	skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
Austria	Local name	Kohlenstoffdisulfid
Austria	MAK (mg/m³)	15 mg/m³
Austria	MAK (ppm)	5 ppm
Austria	MAK Short time value (mg/m³)	60 mg/m³
Austria	MAK Short time value (ppm)	20 ppm
Austria	Remark (AT)	H
Austria	Regulatory reference	BGBl. II Nr. 186/2015
Belgium	Local name	Carbone (sulfure de) # Koolstofdisulfide
Belgium	Limit value (mg/m³)	3,16 mg/m³
Belgium	Limit value (ppm)	1 ppm

carbon disulfide (75-15-0)		
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 11/03/2002
Bulgaria	Local name	Серовъглерод
Bulgaria	OEL TWA (mg/m³)	15 mg/m³
Bulgaria	OEL TWA (ppm)	5 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
Croatia	Local name	Ugljikov disulfid
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	15 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	5 ppm
Croatia	Naznake (HR)	Skin; EU*** (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2009/161/ EU (treća lista)); Repr. kat. 3 (tvari za koje se pretpostavlja da bi mogle smanjiti plodnost kod ljudi i/ili – tvari za koje se pretpostavlja da bi mogle iskazati razvojnu otrovnost kod ljudi)
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13)
Czech Republic	Local name	Sirouhlík
Czech Republic	Expoziční limity (PEL) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	3,2 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	20 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	6,4 ppm
Czech Republic	Remark (CZ)	D (při expozici se významně uplatňuje pronikání látky kůží), I (dráždí sliznice (oči, dýchací cesty) resp. Kůži)
Czech Republic	Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zapracovány změny č. 93/2012 Sb., 9/2013 Sb.)
Denmark	Local name	Carbondisulfid (Svovlkulstof)
Denmark	Grænseværdie (langvarig) (mg/m³)	15 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	5 ppm
Denmark	Anmærkninger (DK)	H (betyder, at stoffet kan optages gennem huden)
Denmark	Regulatory reference	BEK nr 655 af 31/05/2018
Estonia	Local name	Süsinikdisulfiid
Estonia	OEL TWA (mg/m³)	15 mg/m³
Estonia	OEL TWA (ppm)	5 ppm
Estonia	Regulatory reference	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293
Finland	Local name	Rikkihiili
Finland	HTP-arvo (8h) (mg/m³)	15 mg/m³
Finland	HTP-arvo (8h) (ppm)	5 ppm

carbon disulfide (75-15-0)		
Finland	Huomautus (FI)	iho, melu
Finland	Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö)
France	Local name	Sulfure de carbone (Disulfure de carbone)
France	VME (mg/m³)	15 mg/m³
France	VME (ppm)	5 ppm
France	VLE (mg/m³)	75 mg/m³
France	VLE (ppm)	25 ppm
France	Note (FR)	VME règlementaires contraignantes; la VLE n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail; substance classée toxique pour la reproduction de catégorie 2; risque de pénétration percutanée
France	Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016)
Germany	TRGS 900 Local name	Kohlenstoffdisulfid
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	30 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	10 ppm
Germany	TRGS 900 Limitation of exposure peaks	2(II)
Germany	TRGS 900 Remark	AGS;EU;H
Germany	TRGS 900 Regulatory reference	TRGS900
Gibraltar	Eight hours mg/m3	15 mg/m³
Gibraltar	Eight hours ppm	5 ppm
Gibraltar	Name of agent	Carbon disulphide
Gibraltar	Notation	Skin
Gibraltar	Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece	Local name	Διθειάνθρακας
Greece	OEL TWA (mg/m³)	15 mg/m³
Greece	OEL TWA (ppm)	5 ppm
Greece	Regulatory reference	Π.Δ. 12/2012
Hungary	Local name	SZÉN-DISZULFID
Hungary	AK-érték	15 mg/m³
Hungary	Megjegyzések (HU)	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat), m (maró hatású anyag, amely felmarja a bőrt, nyálkahártyát, szemet vagy mindhármat); EU3 (2009/161 /EK irányelvben közölt érték)
Hungary	Regulatory reference	25/2000. (IX. 30.) EüM–SZCSM együttes rendelet a munkahelyek kémiai biztonságáról
Ireland	Local name	Carbon disulphide
Ireland	OEL (8 hours ref) (mg/m³)	15 mg/m³
Ireland	OEL (8 hours ref) (ppm)	5 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	Code of Practice for the Chemical Agents Regulations 2018
Italy	Local name	Disulfuro di carbonio
Italy	OEL TWA (mg/m³)	3 mg/m³
Italy	OEL TWA (ppm)	1 ppm
Italy	Notes	pelle
Italy	Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia	Local name	Sērogleklis (oglekļa disulfīds)

carbon disulfide (75-15-0)		
Latvia	OEL TWA (mg/m³)	15 mg/m³
Latvia	OEL TWA (ppm)	5 ppm
Latvia	Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325 (Grozījumi Ministru kabineta 2011.gada 1.februārī noteikumiem Nr.92)
Lithuania	Local name	Anglies disulfidas
Lithuania	IPRV (mg/m³)	15 mg/m³
Lithuania	IPRV (ppm)	5 ppm
Lithuania	TPRV (mg/m³)	25 mg/m³
Lithuania	TPRV (ppm)	8 ppm
Lithuania	Remark (LT)	R (reprodukcijai toksiškas poveikis); O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą)
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011
Luxembourg	Local name	Disulfure de carbone
Luxembourg	OEL TWA (mg/m³)	15 mg/m³
Luxembourg	OEL TWA (ppm)	5 ppm
Luxembourg	Regulatory reference	Mémorial A Nº 684 de 2018
Netherlands	Local name	Zwavelkoolstof
Netherlands	Grenswaarde TGG 8H (mg/m³)	15 mg/m³
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 2018
Poland	Local name	Disiarczek węgla
Poland	NDS (mg/m³)	12,5 mg/m³
Poland	Regulatory reference	Dz. U. 2017 poz. 1348
Portugal	Local name	Sulfureto de carbono
Portugal	OEL TWA (ppm)	1 ppm
Portugal	Regulatory reference	Norma Portuguesa NP 1796:2014
Romania	Local name	Sulfura de carbon
Romania	OEL TWA (mg/m³)	10 mg/m³
Romania	OEL TWA (ppm)	3 ppm
Romania	OEL STEL (mg/m³)	20 mg/m³
Romania	OEL STEL (ppm)	6 ppm
Romania	Regulatory reference	Legea 319/2006 privind Securitatea şi sănătatea în muncă şi HG nr. 1/2012 de modificare şi completare a HG 1218/2006
Slovakia	Local name	Sulfid uhličitý (sírouhlík)
Slovakia	NPHV (priemerná) (mg/m³)	15 mg/m³
Slovakia	NPHV (priemerná) (ppm)	5 ppm
Slovakia	Upozornenie (SK)	K - znamená, že faktor môže byť ľahko absorbovaný kožou
Slovakia	Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (Zmena: 300/2007 Z.z.; Zmena: 471/2011 Z.z.)
Slovenia	Local name	ogljikov disulfid
Slovenia	OEL TWA (mg/m³)	15 mg/m³
Slovenia	OEL TWA (ppm)	5 ppm

carbon disulfide (75-15-0)		
Slovenia	Regulatory reference	Uradni list RS, št. 38/2015 z dne 4.6.2015
Spain	Local name	Disulfuro de carbono
Spain	VLA-ED (mg/m³)	15 mg/m³
Spain	VLA-ED (ppm)	5 ppm
Spain	Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo), 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), ae (Alterador endocrino. Hay una serie de sustancias utilizadas en la industria, la agricultura y los bienes de consumo de las que se sospecha que interfieren con los sistemas endocrinos de los seres humanos y de los animales y que son causantes de perjuicios para la salud como el cáncer, alteraciones del comportamiento y anomalías en la reproducción. Tales sustancias se denominan “alteradores endocrinos”. [Aplicación de la estrategia comunitaria en materia de alteradores endocrinos-sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales-COM (1999) 706. Comisión de las Comunidades Europeas, COM (2001) 262 final, Bruselas 14.06.2001]. En el caso del ser humano, algunas vías posibles de exposición a alteradores endocrinos son la exposición directa en el lugar de trabajo o a través de productos de consumo como alimentos, ciertos plásticos, pinturas, detergentes y cosméticos, o indirecta a través del medio ambiente (aire, agua y suelo). [Estrategia comunitaria en materia de alteradores endocrinos (sustancias de las que se sospecha interfieren en los sistemas hormonales de seres humanos y animales). Comisión de las Comunidades Europeas, COM (1999) 706 final, Bruselas 17.12.1999]. Los valores límite asignados a estos agentes no se han establecido para prevenir los posibles efectos de alteración endocrina, lo cual justifica una vigilancia adecuada de la salud).
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT
Sweden	Local name	Koldisulfid
Sweden	nivågränsvärde (NVG) (mg/m³)	16 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	5 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	25 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	8 ppm
Sweden	Anmärkning (SE)	B (Ämnet kan orsaka hörselskada. Exponering för ämnet nära det befintliga yrkeshygieniska gränsvärdet och vid samtidig exponering för buller nära insatsvärdet 80 dB kan orsaka hörselskada); 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); R (Ämnet är reproduktionsstörande. Med reproduktionsstörande ämnen avses ämnen som kan medföra skadliga effekter på fortplantningsförmågan eller avkommans utveckling); V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	Local name	Carbon disulphide

carbon disulfide (75-15-0)		
United Kingdom	WEL TWA (mg/m³)	15 mg/m³
United Kingdom	WEL TWA (ppm)	5 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 (Third edition, 2018). HSE
Iceland	Local name	Koldísúlfíð
Iceland	OEL (8 hours ref) (mg/m³)	15 mg/m³
Iceland	OEL (8 hours ref) (ppm)	5 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. 1296/2012)
Russian Federation	Remark (RU)	2 класс опасности - высокоопасное; п (пары и/или газы)
Norway	Local name	Karbondisulfid
Norway	Grenseverdier (AN) (mg/m³)	15 mg/m³
Norway	Grenseverdier (AN) (ppm)	5 ppm
Norway	Merknader (NO)	H (Kjemikalier som kan tas opp gjennom huden); R (Kjemikalier som skal betraktes som reproduksjonstoksiske); E (EU har en veiledende grenseverdi for stoffet)
Norway	Regulatory reference	FOR-2018-08-21-1255
Switzerland	Local name	Kohlendisulfid
Switzerland	MAK (mg/m³)	15 mg/m³ 15 mg/m³
Switzerland	MAK (ppm)	5 ppm 5 ppm
Switzerland	KZGW (mg/m³)	30 mg/m³ 30 mg/m³
Switzerland	KZGW (ppm)	10 ppm 10 ppm
Switzerland	Remark	H B SS_B - $PNS^{KT\ HU}$ - HSE, NIOSH
Turkey	Local name	Karbon disülfit
Turkey	OEL TWA (mg/m³)	15 mg/m³
Turkey	OEL TWA (ppm)	5 ppm
Turkey	Comments	Deri
Turkey	Regulatory reference	12 Ağustos 2013 Tarihli ve 28733 Sayılı Resmî Gazete
USA - ACGIH	Local name	Carbon disulfide
USA - ACGIH	ACGIH TWA (ppm)	1 ppm
USA - ACGIH	Remark (ACGIH)	PNS impair
USA - ACGIH	Regulatory reference	ACGIH 2018
USA - OSHA	Local name	Carbon disulfide
USA - OSHA	Remark (OSHA)	(2) See Table Z-2.

pyridine (110-86-1)		
EU	Local name	Pyridine
EU	IOELV TWA (mg/m³)	15 mg/m³
EU	IOELV TWA (ppm)	5 ppm
EU	Notes	skin. (Year of adoption 2004)
EU	Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations
Austria	Local name	Pyridin
Austria	MAK (mg/m³)	15 mg/m³
Austria	MAK (ppm)	5 ppm
Austria	MAK Short time value (mg/m³)	60 mg/m³

pyridine (110-86-1)		
Austria	MAK Short time value (ppm)	20 ppm
Austria	Remark (AT)	H
Austria	Regulatory reference	BGBl. II Nr. 186/2015
Belgium	Local name	Pyridine # Pyridine
Belgium	Limit value (mg/m³)	3,3 mg/m³
Belgium	Limit value (ppm)	1 ppm
Belgium	Regulatory reference	Koninklijk besluit/Arrêté royal 11/03/2002
Bulgaria	Local name	Пиридин
Bulgaria	OEL TWA (mg/m³)	15 mg/m³
Bulgaria	Notes	• (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
Croatia	Local name	Piridin
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	15 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	5 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	33 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	10 ppm
Croatia	Naznake (HR)	EU (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 91/322/ EEC); F (lako zapaljivo); Xn (Štetno)
Croatia	Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN, br. 75/13)
Czech Republic	Local name	Pyridin
Czech Republic	Expoziční limity (PEL) (mg/m³)	5 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	1,55 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	10 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	3,1 ppm
Czech Republic	Remark (CZ)	D (při expozici se významně uplatňuje pronikání látky kůží)
Czech Republic	Regulatory reference	Nařízení vlády č. 361/2007 Sb. (zapracovány změny č. 93/2012 Sb., 9/2013 Sb.)
Denmark	Local name	Pyridin
Denmark	Grænseværdie (langvarig) (mg/m³)	15 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	5 ppm
Denmark	Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi)
Denmark	Regulatory reference	BEK nr 655 af 31/05/2018
Estonia	Local name	Püridiin
Estonia	OEL TWA (mg/m³)	15 mg/m³
Estonia	OEL TWA (ppm)	5 ppm
Estonia	Regulatory reference	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293
Finland	Local name	Pyridiini
Finland	HTP-arvo (8h) (mg/m³)	3 mg/m³
Finland	HTP-arvo (8h) (ppm)	1 ppm
Finland	HTP-arvo (15 min)	16 mg/m³
Finland	HTP-arvo (15 min) (ppm)	5 ppm

pyridine (110-86-1)		
Finland	Huomautus (FI)	iho
Finland	Regulatory reference	HTP-ARVOT 2018 (Sosiaali- ja terveysministeriö)
France	Local name	Pyridine
France	VME (mg/m³)	15 mg/m³
France	VME (ppm)	5 ppm
France	VLE (mg/m³)	30 mg/m³
France	VLE (ppm)	10 ppm
France	Note (FR)	Valeurs recommandées/admises
France	Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Gibraltar	Eight hours mg/m3	15 mg/m³
Gibraltar	Eight hours ppm	5 ppm
Gibraltar	Name of agent	Pyridine
Gibraltar	Notation	Existing scientific data on health effects appear to be particularly limited
Gibraltar	Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece	Local name	Πυριδίνη
Greece	OEL TWA (mg/m³)	15 mg/m³
Greece	OEL TWA (ppm)	5 ppm
Greece	OEL STEL (mg/m³)	30 mg/m³
Greece	OEL STEL (ppm)	10 ppm
Greece	Regulatory reference	Π.Δ. 90/1999
Hungary	Local name	PIRIDIN
Hungary	AK-érték	15 mg/m³
Hungary	CK-érték	60 mg/m³
Hungary	Megjegyzések (HU)	b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat), sz (Túlérzékenységet okozó (szenzibilizáló) tulajdonságú anyag. Az anyagra érzékeny egyéneken „túlérzékenységen” alapuló bőr-, légzőrendszeri, esetleg más szervet/szervrendszert károsító megbetegedést okozhat); II.1. (FELSZÍVÓDVA HATÓ ANYAGOK (Az anyag hatásának fellépése 2 órán belül; Felezési idő < 2 óra))
Hungary	Regulatory reference	25/2000. (IX. 30.) EüM–SZCSM együttes rendelet a munkahelyek kémiai biztonságáról
Ireland	Local name	Pyridine
Ireland	OEL (8 hours ref) (mg/m³)	15 mg/m³
Ireland	OEL (8 hours ref) (ppm)	5 ppm
Ireland	OEL (15 min ref) (mg/m3)	30 mg/m³
Ireland	OEL (15 min ref) (ppm)	10 ppm
Ireland	Notes (IE)	IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
Latvia	Local name	Piridīns
Latvia	OEL TWA (mg/m³)	15 mg/m³
Latvia	OEL TWA (ppm)	5 ppm
Latvia	Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325
Lithuania	Local name	Piridinas
Lithuania	IPRV (mg/m³)	15 mg/m³

pyridine (110-86-1)		
Lithuania	IPRV (ppm)	5 ppm
Lithuania	Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011
Luxembourg	Local name	Pyridine
Luxembourg	OEL TWA (mg/m³)	15 mg/m³
Luxembourg	OEL TWA (ppm)	5 ppm
Luxembourg	Regulatory reference	Mémorial A Nº 684 de 2018
Malta	Local name	Pyridine
Malta	OEL TWA (mg/m³)	15 mg/m³
Malta	OEL TWA (ppm)	5 ppm
Malta	Regulatory reference	S.L.424.24 (L.N. 53 of 2012)
Netherlands	Local name	Pyridine
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,9 mg/m³
Netherlands	Grenswaarde TGG 8H (ppm)	0,27 ppm (Pyridine; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Regulatory reference	Arbeidsomstandighedenregeling 2018
Poland	Local name	Pirydyna
Poland	NDS (mg/m³)	5 mg/m³
Poland	Regulatory reference	Dz. U. 2017 poz. 1348
Portugal	Local name	Piridina
Portugal	OEL TWA (ppm)	1 ppm
Portugal	Regulatory reference	Norma Portuguesa NP 1796:2014
Romania	Local name	Piridina
Romania	OEL TWA (mg/m³)	15 mg/m³
Romania	OEL TWA (ppm)	5 ppm
Romania	Regulatory reference	Legea 319/2006 privind Securitatea şi sănătatea în muncă şi HG nr. 1/2012 de modificare şi completare a HG 1218/2006
Slovakia	Local name	Pyridín
Slovakia	NPHV (priemerná) (mg/m³)	15 mg/m³
Slovakia	NPHV (priemerná) (ppm)	5 ppm
Slovakia	Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (Zmena: 300/2007 Z.z.; Zmena: 471/2011 Z.z.)
Slovenia	Local name	piridin
Slovenia	OEL TWA (mg/m³)	15 mg/m³
Slovenia	OEL TWA (ppm)	5 ppm
Slovenia	Regulatory reference	Uradni list RS, št. 38/2015 z dne 4.6.2015
Spain	Local name	Piridina
Spain	VLA-ED (mg/m³)	3 mg/m³
Spain	VLA-ED (ppm)	1 ppm
Spain	Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2018. INSHT
Sweden	Local name	Pyridin
Sweden	nivågränsvärde (NVG) (mg/m³)	7 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	2 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	10 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	3 ppm
Sweden	Anmärkning (SE)	V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
Sweden	Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom	Local name	Pyridine

pyridine (110-86-1)		
United Kingdom	WEL TWA (mg/m³)	16 mg/m³
United Kingdom	WEL TWA (ppm)	5 ppm
United Kingdom	WEL STEL (mg/m³)	33 mg/m³
United Kingdom	WEL STEL (ppm)	10 ppm
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Iceland	Local name	Pýridín
Iceland	OEL (8 hours ref) (mg/m³)	15 mg/m³
Iceland	OEL (8 hours ref) (ppm)	5 ppm
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Russian Federation	Remark (RU)	2 класс опасности - высокоопасное; п (пары и/или газы)
Norway	Local name	Pyridin
Norway	Grenseverdier (AN) (mg/m³)	15 mg/m³
Norway	Grenseverdier (AN) (ppm)	5 ppm
Norway	Merknader (NO)	E (EU har en veiledende grenseverdi for stoffet)
Norway	Regulatory reference	FOR-2018-08-21-1255
Switzerland	Local name	Pyridin
Switzerland	MAK (mg/m³)	15 mg/m³
Switzerland	MAK (ppm)	5 ppm
Switzerland	KZGW (mg/m³)	30 mg/m³
Switzerland	KZGW (ppm)	10 ppm
Switzerland	Remark	Kritische Toxizität: Haut, Leber, Niere; Messmethoden: DFG, NIOSH
Switzerland	Regulatory reference	SUVA - Grenzwerte am Arbeitsplatz 2018
Turkey	Local name	Piridin
Turkey	OEL TWA (mg/m³)	15 mg/m³
Turkey	OEL TWA (ppm)	5 ppm
Turkey	Comments	(9) Sağlığa etkileri konusunda, sınırlı bilimsel veri bulunan maddeler
Turkey	Regulatory reference	12 Ağustos 2013 Tarihli ve 28733 Sayılı Resmî Gazete
Australia	Local name	Pyridine
Australia	TWA (mg/m³)	16 mg/m³
Australia	TWA (ppm)	5 ppm
USA - ACGIH	Local name	Pyridine
USA - ACGIH	ACGIH TWA (ppm)	1 ppm
USA - ACGIH	Remark (ACGIH)	Skin irr; liver & kidney dam
USA - ACGIH	Regulatory reference	ACGIH 2018
USA - OSHA	Local name	Pyridine
USA - OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	5 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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.

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	:	No data available
Odour	:	Unpleasant odour. Smell of fish.
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	:	115 °C
Flash point	:	20 °C
Auto-ignition temperature	:	482 °C
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	21 hPa (20 °C)
Vapour pressure at 50 °C	:	100 hPa
Relative vapour density at 20 °C	:	No data available
Relative density	:	0,98
Solubility	:	Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in petroleum spirit. Soluble in ligroin. Soluble in oils/fats.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	0,00095 Pa·s (20 °C)
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	1,8 - 12,4 vol %

9.2. Other information

No additional information available

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) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Dermal: Harmful in contact with skin.

Acute toxicity (inhalation) : Not classified

ATE CLP (oral)	505,255 mg/kg bodyweight
ATE CLP (dermal)	1131,77 mg/kg bodyweight

copper chloride, dihydrate (10125-13-0)	
LD50 oral rat	584 mg/kg
LD50 dermal rat	> 2000 mg/kg

carbon disulfide (75-15-0)	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	10,35 mg/l

pyridine (110-86-1)	
LD50 oral rat	> 891 mg/kg
LD50 dermal rabbit	1120 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

copper chloride, dihydrate (10125-13-0)	
LC50 fish 1	0,04 mg/l Pimephales promelas (Fathead minnow)
EC50 Daphnia 1	0,03 mg/l

carbon disulfide (75-15-0)	
LC50 fish 1	3 mg/l Poecilia reticulata (Guppy)
EC50 Daphnia 1	2,1 mg/l

pyridine (110-86-1)	
LC50 fish 1	99 mg/l Pimephales promelas (Fathead minnow)
EC50 Daphnia 1	320 mg/l

12.2. Persistence and degradability

pyridine (110-86-1)	
Persistence and degradability	Readily biodegradable in water. Not degradable in the soil. Biodegradable in soil in anaerobic condition.
Biochemical oxygen demand (BOD)	1,15 g O_2/g substance
Chemical oxygen demand (COD)	0,05 g O_2/g substance
ThOD	2,23 g O_2/g substance

pyridine (110-86-1)	
BOD (% of ThOD)	0,52

12.3. Bioaccumulative potential

carbon disulfide (75-15-0)	
Log Pow	1,94
Log Kow	1,94
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).

pyridine (110-86-1)	
Log Pow	0,65 - 1,04
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

12.4. Mobility in soil

carbon disulfide (75-15-0)	
Surface tension	0,032 N/m (20 °C)

pyridine (110-86-1)	
Surface tension	0,038 N/m (20 °C)

12.5. Results of PBT and vPvB assessment

Component	
pyridine (110-86-1)	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
14.1. UN number				
1282	1282	1282	1282	1282
14.2. UN proper shipping name				
PYRIDINE	PYRIDINE	Pyridine	PYRIDINE	PYRIDINE
Transport document description				
UN 1282 PYRIDINE, 3, II, (D/E)	UN 1282 PYRIDINE, 3, II (17°C c.c.)	UN 1282 Pyridine, 3, II	UN 1282 PYRIDINE, 3, II	UN 1282 PYRIDINE, 3, II
14.3. Transport hazard class(es)				
3	3	3	3	3
				
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) : F1

Limited quantities (ADR)	:	1l
Excepted quantities (ADR)	:	E2
Packing instructions (ADR)	:	P001, IBC02, R001
Mixed packing provisions (ADR)	:	MP19
Portable tank and bulk container instructions (ADR)	:	T4
Portable tank and bulk container special provisions (ADR)	:	TP2
Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	2
Special provisions for carriage - Operation (ADR)	:	S2, S20
Hazard identification number (Kemler No.)	:	33
Orange plates	:	
Tunnel restriction code (ADR)	:	D/E
EAC code	:	•2WE
APP code	:	A(fl)

- Transport by sea

Limited quantities (IMDG)	:	1 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T4
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)	:	17°C c.c.
Properties and observations (IMDG)	:	Colourless or slightly yellow liquid with a pungent odour. Flashpoint: 17°C c.c. Explosive limits: 1.8% to 12.4% Miscible with water. Harmful by inhalation.

- Air transport

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
ERG code (IATA)	:	3L

- Inland waterway transport

Classification code (ADN)	:	F1
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E2
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	1

- Rail transport

Classification code (RID)	:	F1
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001, IBC02, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP2
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE7
Hazard identification number (RID)	:	33

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	Copper Chloride-Pyridine Reagent British Pharmacopoeia Reagent - carbon disulfide - pyridine
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	Copper Chloride-Pyridine Reagent British Pharmacopoeia Reagent - carbon disulfide - pyridine
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	Copper Chloride-Pyridine Reagent British Pharmacopoeia Reagent - carbon disulfide - pyridine
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.	Copper Chloride-Pyridine Reagent British Pharmacopoeia Reagent - carbon disulfide - pyridine

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

Reference to AwSV	:	Water hazard class (WGK) 2, significant hazard to water (Classification according to AwSV, Annex 1)
Storage class (LGK)	:	LGK 3 - Flammable liquids
12th Ordinance Implementing the Federal Immission Control Act - 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
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	carbon disulfide is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	carbon disulfide is 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

Full text of H- and EUH-statements:

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
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H372	Causes 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. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Dermal)	H312	Calculation method
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
Repr. 2	H361	Calculation method
STOT RE 1	H372	Calculation method

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.