

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Trade name : Neostrip 778

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Rutpen Ltd
Membury Airfield Industrial Estate Lambourn
RG17 7TJ – Berkshire
T 01488 71926
technical@rutpen.co.uk - www.rutpen.co.uk

1.4. Emergency telephone number

Emergency number : 01488 71926

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318
Germ cell mutagenicity, Category 1B	H340
Carcinogenicity, Category 1A	H350
Specific target organ toxicity — Repeated exposure, Category 1	H372
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

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

Adverse physicochemical, human health and environmental effects

May cause cancer. May cause genetic defects. Causes damage to organs through prolonged or repeated exposure. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful to aquatic life with long lasting effects.

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

<tx:_GHS_PICTOS> (CLP) :



GHS05



GHS07



GHS08

Signal word (CLP) :

Danger

Contains :

Dichloromethane, XYLENOL, DISTILLATE PHENOLS - TAR ACIDS, POLYALKYLPHENOL FRACTION, PHENOL, CRESOL {MIXTURE}, POTASSIUM HYDROXIDE

Hazard statements (CLP) :

H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H340 - May cause genetic defects.

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Precautionary statements (CLP)

- H350 - May cause cancer.
H372 - Causes damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.
- : P201 - Obtain special instructions before use.
P280 - Wear protective clothing, eye protection, face protection.
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a POISON CENTER, a doctor.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see supplemental first aid instruction on this label).

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]
Dichloromethane substance with a Community workplace exposure limit	CAS-No.: 75-09-2 EC-No.: 200-838-9 EC Index-No.: 602-004-00-3	≥ 50 – < 75	Carc. 2, H351 STOT RE 1, H372
CRESOL {MIXTURE} substance with a Community workplace exposure limit	CAS-No.: 1319-77-3 EC-No.: 215-293-2 EC Index-No.: 604-004-00-9	≥ 5 – < 15	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 STOT RE 2, H373 Aquatic Chronic 2, H411
POTASSIUM HYDROXIDE	CAS-No.: 1310-58-3 EC-No.: 215-181-3 EC Index-No.: 019-002-00-8 REACH-no: 01-2119487136-33	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
XYLENOL	CAS-No.: 1300-71-6 EC-No.: 215-089-3 EC Index-No.: 604-006-00-X	≥ 1 – < 5	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Aquatic Chronic 2, H411
DISTILLATE PHENOLS - TAR ACIDS, POLYALKYLPHENOL FRACTION	CAS-No.: 84989-05-9 EC-No.: 284-893-4 EC Index-No.: 648-121-00-3	≥ 0.1 – < 1	Muta. 1B, H340 Carc. 1A, H350
PHENOL substance with a Community workplace exposure limit	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2	≥ 0.1 – < 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1A, H314 Muta. 2, H341 STOT RE 2, H373 Aquatic Chronic 1, H410

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits
POTASSIUM HYDROXIDE	CAS-No.: 1310-58-3 EC-No.: 215-181-3 EC Index-No.: 019-002-00-8 REACH-no: 01-2119487136-33	(0.5 ≤C ≤ 2) Skin Irrit. 2, H315 (0.5 ≤C ≤ 2) Eye Irrit. 2, H319 (2 ≤C ≤ 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314
PHENOL	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2	(1 ≤C ≤ 3) Skin Irrit. 2, H315 (1 ≤C ≤ 3) Eye Irrit. 2, H319 (3 ≤C < 100) Skin Corr. 1B, H314

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.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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.
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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Toxic fumes may be released.
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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.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapours/spray.
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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".
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6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. 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

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

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Dichloromethane (75-09-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methylene chloride; Dichloromethane
IOEL TWA	353 mg/m ³
IOEL STEL	706 mg/m ³
IOEL STEL [ppm]	200 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
EU - Biological Limit Value (BLV)	
Local name	Methylene chloride
BLV	4 % Parameter: COHb - Medium: Blood 0.3 mg/l Parameter: methylene chloride - Medium: urine 1 mg/l Parameter: methylene chloride - Medium: blood

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Dichloromethane (75-09-2)	
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs
Austria - Occupational Exposure Limits	
Local name	Dichlormethan (R 30)
MAK (OEL TWA)	175 mg/m ³
MAK (OEL TWA) [ppm]	50 ppm
MAK (OEL STEL)	700 mg/m ³ (2x 30(Miw) min)
MAK (OEL STEL) [ppm]	200 ppm (2x 30(Miw) min)
Remark	H. Krebserzeugend: III B
Regulatory reference	BGBI. II Nr. 238/2018
Belgium - Occupational Exposure Limits	
Local name	Chlorure de méthylène (Dichlorométhane) # Methyleenchloride
OEL TWA	177 mg/m ³
OEL TWA [ppm]	50 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	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.
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Bulgaria - Occupational Exposure Limits	
Local name	Метилен хлорид; дихлорметан
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
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 - Occupational Exposure Limits	
Local name	Diklorometan; metilen klorid
GVI (OEL TWA) [1]	353 mg/m ³
GVI (OEL TWA) [2]	100 ppm
KGVI (OEL STEL)	706 mg/m ³
KGVI (OEL STEL) [ppm]	200 ppm
Remark	Direktiva: 2017/164/EU. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315))

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Dichloromethane (75-09-2)	
Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Croatia - Biological limit values	
Local name	Diklorometan (metilen klorid)
BLV	9.42 µmol/l Karakteristični pokazatelj: diklorometan - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 800 µg/l Karakteristični pokazatelj: diklorometan - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene 3.5 µmol/l Karakteristični pokazatelj: diklorometan - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene 0.3 mg/l Karakteristični pokazatelj: diklorometan - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene 0.04 Karakteristični pokazatelj: karboksihemoglobin - Biološki uzorak: krv - Vrijeme uzorkovanja: na kraju radne smjene - Napomena: pušenje značajno povisuje nalaz
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 - Occupational Exposure Limits	
Local name	Dichlormethan (Methylenchlorid)
PEL (OEL TWA)	200 mg/m ³
PEL (OEL TWA) [ppm]	57 ppm
NPK-P (OEL Ceiling)	500 mg/m ³
NPK-P (OEL Ceiling) [ppm]	141.5 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 41/2020 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Dichlormethan (Methylenchlorid)
OEL TWA [1]	122 mg/m ³
OEL TWA [2]	35 ppm
Regulatory reference	BEK nr 290 af 13/02/2021
Estonia - Occupational Exposure Limits	
Local name	Diklorometaan (metüleenkloriid, MEK)
OEL TWA	120 mg/m ³
OEL TWA [ppm]	35 ppm
OEL STEL	250 mg/m ³
OEL STEL [ppm]	70 ppm
Remark	A (Naha kaudu kergesti imenduv aine), C (Kantserogeenne aine)
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
France - Occupational Exposure Limits	
Local name	Dichlorométhane (Chlorure de méthylène)
VME (OEL TWA)	178 mg/m ³
VME (OEL TWA) [ppm]	50 ppm
VLE (OEL Ceiling/STEL)	356 mg/m ³
VLE (OEL Ceiling/STEL) [ppm]	100 ppm

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Dichloromethane (75-09-2)	
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Dichlormethan
AGW (OEL TWA) [1]	180 mg/m ³
AGW (OEL TWA) [2]	50 ppm
Peak exposure limitation factor	2(II)
Remark	DFG;H;Z
Regulatory reference	TRGS900
Germany - Biological limit values (TRGS 903)	
Local name	Dichlormethan
Biological limit value	500 µg/l Parameter: Dichlormethan - Untersuchungsmaterial: B = Vollblut - Probenahmezeitpunkt: g) unmittelbar nach Exposition - Festlegung/Begründung: 11/2016 DFG
Regulatory reference	TRGS 903
Gibraltar - Occupational Exposure Limits	
Local name	Methylene chloride; Dichloromethane
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	Skin
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece - Occupational Exposure Limits	
Local name	Μεθυλενοχλωρίδιο (Διχλωρομεθάνιο)
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.
Regulatory reference	Π.Δ. 82/2018 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	DIKLÓRMETÁN (metilén-klorid)
AK (OEL TWA)	353 mg/m ³
CK (OEL STEL)	706 mg/m ³
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Hungary - Biological Exposure Indices	
Local name	Diklórmétán

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Dichloromethane (75-09-2)	
BEI	0.3 mg/l Biológiai expozíciós (hatás) mutató: Diklórmétán - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) 3.5 µmol/l Biológiai expozíciós (hatás) mutató: Diklórmétán - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Dichloromethane [Methylene chloride]
OEL TWA [1]	353 mg/m ³
OEL TWA [2]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Regulatory reference	Chemical Agents Code of Practice 2020
Latvia - Occupational Exposure Limits	
Local name	Metilēnchlorīds (dihlormetāns)
OEL TWA	120 mg/m ³
OEL TWA [ppm]	34 ppm
OEL STEL	150 mg/m ³
OEL STEL [ppm]	42 ppm
Remark	Āda
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325
Lithuania - Occupational Exposure Limits	
Local name	Metileno chloridas
IPRV (OEL TWA)	120 mg/m ³
IPRV (OEL TWA) [ppm]	35 ppm
TPRV (OEL STEL)	250 mg/m ³
TPRV (OEL STEL) [ppm]	70 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	Chlorure de méthylène ; Di-chlorométhane
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	Peau
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 - Occupational Exposure Limits	
Local name	Methylene chloride; Dichloromethane
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm

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Dichloromethane (75-09-2)	
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	Skin # Ğilda
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)
Netherlands - Occupational Exposure Limits	
Local name	Methyleenchloride (dichloormethaan)
MAC-TGG (OEL TWA)	353 mg/m ³
MAC-15 (OEL STEL)	706 mg/m ³
Remark	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.
Regulatory reference	Arbeidsomstandighedenregeling 2021
Poland - Occupational Exposure Limits	
Local name	Dichlorometan
NDS (OEL TWA)	88 mg/m ³
NDSch (OEL STEL)	353 mg/m ³
Regulatory reference	Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
Local name	Diclorometano
OEL TWA [ppm]	50 ppm
Remark	A3 (Agente carcinogénico confirmado nos animais de laboratorio con relevância desconhecida no Homem); IBE (Índice biológico de exposição)
Regulatory reference	Norma Portuguesa NP 1796:2014
Portugal - Biological Exposure Indices	
Local name	Diclorometano
BEI	0.3 mg/l Parâmetro: Diclorometano - Meio: urina - Momento da amostragem: Fim do turno - Notação: Sq (Semi quantitativo)
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Diclorometan/Clorură de metilen
OEL TWA	353 mg/m ³ (Pentru substanțe chimice în fază gazoasă sau de vapori, valoarea-limită este exprimată la 20°C și la 101,3 kPa)
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³ (Pentru substanțe chimice în fază gazoasă sau de vapori, valoarea-limită este exprimată la 20°C și la 101,3 kPa)
OEL STEL [ppm]	200 ppm
Remark	P - posibilitatea unei penetrări cutanate importante; C2 - susceptibil de a provoca apariția cancerului
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
Romania - Biological limit values	
Local name	Clorură de metilen

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Dichloromethane (75-09-2)	
BLV	5 % of hemoglobin Indicator biologic: COHb (carboxihemoglobină) - Material biologic: sânge - Momentul recoltării: sfârșit de schimb 1 mg/l Indicator biologic: Clorură de metilen - Material biologic: sânge - Momentul recoltării: sfârșit de schimb 0.3 mg/l Indicator biologic: Clorură de metilen - Material biologic: urină - Momentul recoltării: sfârșit de schimb
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 584/2018)
Slovakia - Occupational Exposure Limits	
Local name	Dichlórmétán (metylénchlorid)
NPHV (OEL TWA) [1]	353 mg/m ³
NPHV (OEL TWA) [2]	100 ppm
NPHV (OEL STEL)	706 mg/m ³
NPHV (OEL STEL) [ppm]	200 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovakia - Biological limit values	
Local name	Dichlórmétán
BLV	5 % Zisťovaný faktor: CO-Hb - Vyšetovaný materiál: krv - Čas odberu vzorky: b) koniec expozície alebo pracovnej zmeny 1 mg/l Zisťovaný faktor: Dichlórmétán - Vyšetovaný materiál: moč - Čas odberu vzorky: b) koniec expozície alebo pracovnej zmeny
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (Zmena: 471/2011 Z.z.)
Slovenia - Occupational Exposure Limits	
Local name	diklorometan (metilen klorid)
OEL TWA	353 mg/m ³
OEL TWA [ppm]	100 ppm
OEL STEL	706 mg/m ³
OEL STEL [ppm]	200 ppm
Remark	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), BAT (Biološka mejna vrednost), EKA (Zveza med koncentracijo rakotvornih snovi v zraku na delovnem mestu in količino snovi in/ali njenih metabolitov v organizmu), EU
Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Slovenia - Biological limit values	
Local name	diklorometan
Regulatory reference	Uradni list RS, št. 78/2018 z dne 4.12.2018
Spain - Occupational Exposure Limits	
Local name	Cloruro de metileno (Diclorometano)
VLA-ED (OEL TWA) [1]	177 mg/m ³
VLA-ED (OEL TWA) [2]	50 ppm
VLA-EC (OEL STEL)	353 mg/m ³
VLA-EC (OEL STEL) [ppm]	100 ppm

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Dichloromethane (75-09-2)	
Remark	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo), r (Esta sustancia tiene establecidas restricciones a la fabricación, la comercialización o el uso en los términos especificados en el "Reglamento (CE) nº 1907/2006 sobre Registro, Evaluación, Autorización y Restricción de sustancias y preparados químicos" (REACH) de 18 de diciembre de 2006 (DOUE L 369 de 30 de diciembre de 2006). Las restricciones de una sustancia pueden aplicarse a todos los usos o sólo a usos concretos. El anexo XVII del Reglamento REACH contiene la lista de todas las sustancias restringidas y especifica los usos que se han restringido), VLB® (Agente químico que tiene Valor Límite Biológico), 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).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Spain - Biological limit values	
Local name	Cloruro de metileno (Diclorometano)
BLV	0.3 mg/l Parámetro: Diclorometano - Medio: Orina - Momento de muestreo: Final de la jornada laboral - Notas: S (Significa que el indicador biológico es un indicador de exposición al agente químico en cuestión, pero la interpretación cuantitativa de su medida es ambigua (semicuantitativa). Estos indicadores biológicos deben utilizarse como una prueba de selección (screening) cuando no se pueda realizar una prueba cuantitativa o usarse como prueba de confirmación, si la prueba cuantitativa no es específica y el origen del determinante es dudoso)
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden - Occupational Exposure Limits	
Local name	Metylenklorid (Diklorometan)
NGV (OEL TWA)	120 mg/m ³
NGV (OEL TWA) [ppm]	35 ppm
KTV (OEL STEL)	250 mg/m ³
KTV (OEL STEL) [ppm]	70 ppm
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom - Occupational Exposure Limits	
Local name	Dichloromethane
WEL TWA [1]	353 mg/m ³
WEL TWA [2]	100 ppm
WEL STEL	706 mg/m ³
WEL STEL [ppm]	200 ppm
Remark	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)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	Dichlorometane
BMGV	30 ppm Parameter: carbon monoxide - Medium: end-tidal breath - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Metýlenklóríð, díklórmetan

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Dichloromethane (75-09-2)	
OEL TWA	122 mg/m ³
OEL TWA [ppm]	35 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 1069/2018)
Norway - Occupational Exposure Limits	
Local name	Diklormetan (Metylenklorid)
Greenseverdi (OEL TWA) [1]	50 mg/m ³
Greenseverdi (OEL TWA) [2]	15 ppm
Korttidsverdi (OEL STEL)	150 mg/m ³
Korttidsverdi (OEL STEL) [ppm]	45 ppm
Regulatory reference	FOR-2020-04-06-695
Switzerland - Occupational Exposure Limits	
Local name	Dichlorométhane / Dichlormethan [Methylenchlorid]
MAK (OEL TWA) [1]	177 mg/m ³
MAK (OEL TWA) [2]	50 ppm
KZGW (OEL STEL)	706 mg/m ³
KZGW (OEL STEL) [ppm]	200 ppm
Critical toxicity	SNC / ZNS
Notation	R, C1 [#] _B , B / H, C1 [#] _B , B
Remark	HSE, NIOSH, DFG
Regulatory reference	www.suva.ch, 01.01.2021
PHENOL (108-95-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Phenol
IOEL TWA	8 mg/m ³
IOEL STEL	16 mg/m ³
IOEL STEL [ppm]	4 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
EU - Biological Limit Value (BLV)	
Local name	Phenol
BLV	120 mg/g creatinine Parameter: phenol - Medium: urine
Regulatory reference	SCOEL List of recommended health-based BLVs and BGVs
Albania - Occupational Exposure Limits	
Local name	Fenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³

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PHENOL (108-95-2)	
OEL STEL [ppm]	4 ppm
Remark	Lëkurë (tregon mundësinë e një marrjeje të rëndësishme nëpërmjet lëkurës)
Regulatory reference	VENDIM Nr. 522, datë 6.8.2014 PËR MIRATIMIN E RREGULLORES "PËR MBROJTJEN E SIGURISË DHE SHËNDETIT TË PUNËMARRËSVE NGA RISQET E LIDHURA ME AGJENTËT KIMIKË NË PUNË"
Austria - Occupational Exposure Limits	
Local name	Phenol
MAK (OEL TWA)	8 mg/m ³
MAK (OEL TWA) [ppm]	2 ppm
MAK (OEL STEL)	16 mg/m ³ (4x 15(Miw) min)
MAK (OEL STEL) [ppm]	4 ppm (4x 15(Miw) min)
Remark	H
Regulatory reference	BGBI. II Nr. 238/2018
Belgium - Occupational Exposure Limits	
Local name	Phénol # Fenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	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.
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Bulgaria - Occupational Exposure Limits	
Local name	Фенол
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
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.)
Bulgaria - Biological limit values	
Local name	Фенол
BLV	200 mg/l Биомаркер за експозиция/биомаркер за ефект: фенол - Биологична среда: урина - Време на пробовземане: В края на експозицията или в края на работната смяна - Специфични ефекти: Няма

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PHENOL (108-95-2)	
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 - Occupational Exposure Limits	
Local name	Fenol
GVI (OEL TWA) [1]	8 mg/m ³
GVI (OEL TWA) [2]	2 ppm
KGVI (OEL STEL)	16 mg/m ³
KGVI (OEL STEL) [ppm]	4 ppm
Remark	Direktiva: 2009/161/EU
Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Croatia - Biological limit values	
Local name	Fenol
BLV	0.14 mol/mol Creatinine Karakteristični pokazatelj: fenol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene - Napomena: interferancija normalno prisutnog fenola (< 8 mg/L) i istodobne izloženosti benzenu 120 mg/g creatinine Karakteristični pokazatelj: fenol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene - Napomena: interferancija normalno prisutnog fenola (< 8 mg/L) i istodobne izloženosti benzenu
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 - Occupational Exposure Limits	
Local name	Fenol
PEL (OEL TWA)	7.5 mg/m ³
PEL (OEL TWA) [ppm]	2 ppm
NPK-P (OEL Ceiling)	15 mg/m ³
NPK-P (OEL Ceiling) [ppm]	4 ppm
Regulatory reference	Nařízení vlády č. 361/2007 Sb. (Předpis 41/2020 Sb.)
Czech Republic - Biological limit values	
Local name	Fenol
BLV	300 mg/g creatinine Ukazatel: Fenol - Biološki uzorak: moči - Doba odběru: konec směny 360 µmol/mmol Creatinine Ukazatel: Fenol - Biološki uzorak: moči - Doba odběru: konec směny
Regulatory reference	Vyhláška č. 107/2013 Sb. (kterou se mění vyhláška č. 432/2003 Sb.)
Denmark - Occupational Exposure Limits	
Local name	Phenol
OEL TWA [1]	4 mg/m ³
OEL TWA [2]	1 ppm
Regulatory reference	BEK nr 290 af 13/02/2021
Estonia - Occupational Exposure Limits	
Local name	Fenool (hüdroksübenseen)
OEL TWA	8 mg/m ³

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PHENOL (108-95-2)	
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	A (Naha kaudu kergesti imenduv aine)
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 - Biological limit values	
Local name	Fenoli
BLV	1.3 mmol/l Parametri: Virtsan kokonaisfenoli - Näytteenottoajankohta: Työvuoron päätyttyä
Regulatory reference	HTP-ARVOT 2020 (Sosiaali- ja terveysministeriö)
France - Occupational Exposure Limits	
Local name	Phénol
VME (OEL TWA)	7.8 mg/m ³
VME (OEL TWA) [ppm]	2 ppm
VLE (OEL Ceiling/STEL)	15.6 mg/m ³
VLE (OEL Ceiling/STEL) [ppm]	4 ppm
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016; Décret n° 2019-1487)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Phenol
AGW (OEL TWA) [1]	8 mg/m ³
AGW (OEL TWA) [2]	2 ppm
Peak exposure limitation factor	2(II)
Remark	EU;H;11
Regulatory reference	TRGS900
Germany - Biological limit values (TRGS 903)	
Local name	Phenol
Biological limit value	120 mg/g creatinine Parameter: Phenol (nach Hydrolyse) - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 05/2013 SCOEL
Regulatory reference	TRGS 903
Gibraltar - Occupational Exposure Limits	
Local name	Phenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Skin
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)

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PHENOL (108-95-2)	
Greece - Occupational Exposure Limits	
Local name	Φαινόλη
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.
Regulatory reference	Π.Δ. 12/2012 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	FENOL
AK (OEL TWA)	8 mg/m ³
CK (OEL STEL)	16 mg/m ³
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Hungary - Biological Exposure Indices	
Local name	Fenol
BEI	120 mg/g creatinine Biológiai expozíciós (hatás) mutató: fenol - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) 144 μmol/mmol Creatinine Biológiai expozíciós (hatás) mutató: fenol - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén)
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Phenol
OEL TWA [1]	8 mg/m ³
OEL TWA [2]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Regulatory reference	Chemical Agents Code of Practice 2020
Italy - Occupational Exposure Limits	
Local name	Fenolo
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Cute
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia - Occupational Exposure Limits	
Local name	Fenols (hidroksibenzols)

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PHENOL (108-95-2)	
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Āda
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92)
Lithuania - Occupational Exposure Limits	
Local name	Fenolis
IPRV (OEL TWA)	8 mg/m ³
IPRV (OEL TWA) [ppm]	2 ppm
TPRV (OEL STEL)	16 mg/m ³
TPRV (OEL STEL) [ppm]	4 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	Phénol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Peau
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 - Occupational Exposure Limits	
Local name	Phenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	Skin # Ġilda
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)
Netherlands - Occupational Exposure Limits	
Local name	Fenol
MAC-TGG (OEL TWA)	8 mg/m ³
Remark	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.
Regulatory reference	Arbeidsomstandighedenregeling 2021
Poland - Occupational Exposure Limits	
Local name	Fenol

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PHENOL (108-95-2)	
NDS (OEL TWA)	7.8 mg/m ³
NDSch (OEL STEL)	16 mg/m ³
Regulatory reference	Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
Local name	Fenol
OEL TWA [ppm]	5 ppm
Remark	P (Toxicidade percutânea); A4 (Agente não classificável como carcinogénico no Homem); IBE (Índice biológico de exposição)
Regulatory reference	Norma Portuguesa NP 1796:2014
Portugal - Biological Exposure Indices	
Local name	Fenol
BEI	250 mg/g creatinine Parâmetro: Fenol - Meio: urina - Momento da amostragem: Fim do turno - Notação: Vb (Valor basal), Ne (Não específico), Com hidrólise
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Fenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	P - posibilitatea unei penetrări cutanate importante; M2 - susceptibil de a provoca anomalii genetice
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
Romania - Biological limit values	
Local name	Fenol
BLV	120 mg/g creatinine Indicador biologic: Fenoli totali - Material biologic: urină - Momentul recoltării: sfârșit de schimb
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 584/2018)
Serbia - Occupational Exposure Limits	
Local name	фенол
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	K – напомена да хемијска материја може штетно деловати на кожу; Мут. кат. 3 – хемијске материје које изазивају забринутост због могућег мутагеног деловања на човека
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама („Службени гласник РС”, бр. 106/09 и 117/17)
Slovakia - Occupational Exposure Limits	
Local name	Fenol

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PHENOL (108-95-2)	
NPHV (OEL TWA) [1]	8 mg/m ³
NPHV (OEL TWA) [2]	2 ppm
NPHV (OEL STEL)	16 mg/m ³
NPHV (OEL STEL) [ppm]	4 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovakia - Biological limit values	
Local name	Fenol
BLV	200 mg/l Zisťovaný faktor: Fenol - Vyšetrovaný materiál: moč - Čas odberu vzorky: b) koniec expozície alebo pracovnej zmeny
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (Zmena: 471/2011 Z.z.)
Slovenia - Occupational Exposure Limits	
Local name	fenol
OEL TWA	8 mg/m ³
OEL TWA [ppm]	2 ppm
OEL STEL	16 mg/m ³
OEL STEL [ppm]	4 ppm
Remark	K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), BAT (Biološka mejna vrednost), EU
Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Slovenia - Biological limit values	
Local name	fenol
Regulatory reference	Uradni list RS, št. 78/2018 z dne 4.12.2018
Spain - Occupational Exposure Limits	
Local name	Fenol
VLA-ED (OEL TWA) [1]	8 mg/m ³
VLA-ED (OEL TWA) [2]	2 ppm
VLA-EC (OEL STEL)	16 mg/m ³
VLA-EC (OEL STEL) [ppm]	4 ppm
Remark	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).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Spain - Biological limit values	
Local name	Fenol
BLV	120 mg/g creatinine Parámetro: Fenol - 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), con hidrólisis

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PHENOL (108-95-2)	
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden - Occupational Exposure Limits	
Local name	Fenol
NGV (OEL TWA)	4 mg/m ³
NGV (OEL TWA) [ppm]	1 ppm
KTV (OEL STEL)	16 mg/m ³
KTV (OEL STEL) [ppm]	4 ppm
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom - Occupational Exposure Limits	
Local name	Phenol
WEL TWA [1]	7.8 mg/m ³
WEL TWA [2]	2 ppm
WEL STEL	16 mg/m ³
WEL STEL [ppm]	4 ppm
Remark	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)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland - Occupational Exposure Limits	
Local name	Fenól
OEL TWA	4 mg/m ³
OEL TWA [ppm]	1 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð). Efnið í gufuformi getur borist inn í líkamann í gegnum húðina í verulegu magni
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	Fenol
Grenseverdi (OEL TWA) [1]	4 mg/m ³
Grenseverdi (OEL TWA) [2]	1 ppm
Korttidsverdi (OEL STEL)	12 mg/m ³
Korttidsverdi (OEL STEL) [ppm]	3 ppm
Regulatory reference	FOR-2020-04-06-695
Switzerland - Occupational Exposure Limits	
Local name	Phénol / Phenol
MAK (OEL TWA) [1]	19 mg/m ³
MAK (OEL TWA) [2]	5 ppm
KZGW (OEL STEL)	19 mg/m ³
KZGW (OEL STEL) [ppm]	5 ppm
Critical toxicity	Poumons, VRS, SNC / Lunge, OAW, ZNS
Notation	R, M2, B / H, M2, B

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PHENOL (108-95-2)	
Remark	INRS, NIOSH, DFG, OSHA
Regulatory reference	www.suva.ch, 01.01.2021
CRESOL {MIXTURE} (1319-77-3)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Cresol (all isomers)
IOEL TWA	22 mg/m ³
Remark	Skin. (Year of adoption 2002)
Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations
Albania - Occupational Exposure Limits	
Local name	Krezol (gjithë izomerët)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Regulatory reference	VENDIM Nr. 522, datë 6.8.2014 PËR MIRATIMIN E RREGULLORES "PËR MBROJTJEN E SIGURISË DHE SHËNDETIT TË PUNËMARRËSVE NGA RISQET E LIDHURA ME AGJENTËT KIMIKË NË PUNË"
Austria - Occupational Exposure Limits	
Local name	Kresol (alle Isomeren): Kresol
MAK (OEL TWA)	22 mg/m ³
MAK (OEL TWA) [ppm]	5 ppm
MAK (OEL STEL)	44 mg/m ³ (8x 5(Mow) min)
MAK (OEL STEL) [ppm]	10 ppm (8x 5(Mow) min)
Remark	H
Regulatory reference	BGBI. II Nr. 238/2018
Belgium - Occupational Exposure Limits	
Local name	Crésols (tous isomères) # Cresol (alle isomeren)
OEL TWA	10 mg/m ³
OEL TWA [ppm]	2.3 ppm
Remark	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.
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020
Bulgaria - Occupational Exposure Limits	
Local name	Крезол (всички изомери)
OEL TWA	22 mg/m ³
Remark	• (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
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.)

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CRESOL {MIXTURE} (1319-77-3)	
Croatia - Occupational Exposure Limits	
Local name	Krezol (svi izomeri)
GVI (OEL TWA) [1]	22 mg/m ³
GVI (OEL TWA) [2]	5 ppm
Remark	Direktiva: 91/322/EEZ
Regulatory reference	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Denmark - Occupational Exposure Limits	
Local name	Cresol (Cresylsyre; Methylphenol), alle isomere
OEL TWA [1]	22 mg/m ³
OEL TWA [2]	5 ppm
Regulatory reference	BEK nr 290 af 13/02/2021
Estonia - Occupational Exposure Limits	
Local name	Kresool (metüülfenool) kõik isomeerid
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
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
France - Occupational Exposure Limits	
Local name	Crésols (tous isomères)
VME (OEL TWA)	22 mg/m ³
VME (OEL TWA) [ppm]	5 ppm
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Gibraltar - Occupational Exposure Limits	
Local name	Cresols (all isomers)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Remark	Existing scientific data on health effects appear to be particularly limited
Regulatory reference	Factories (Control of Chemical Agents at Work) Regulations 2003 (LN. 2018/181)
Greece - Occupational Exposure Limits	
Local name	Κρεσόλες (όλα τα ισομερή)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Remark	Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.
Regulatory reference	Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους
Hungary - Occupational Exposure Limits	
Local name	KREZOL (izomerek keveréke)

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CRESOL {MIXTURE} (1319-77-3)	
AK (OEL TWA)	22 mg/m ³
Regulatory reference	5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
Ireland - Occupational Exposure Limits	
Local name	Cresols, all isomers
OEL TWA [1]	22 mg/m ³
OEL TWA [2]	5 ppm
Regulatory reference	Chemical Agents Code of Practice 2020
Latvia - Occupational Exposure Limits	
Local name	Krezols, (visi izomēri) (o-, m-, p-metilfenoli, krezolu maisījums)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Regulatory reference	Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2011. gada 1. februārī noteikumiem Nr. 92)
Lithuania - Occupational Exposure Limits	
Local name	Krezolas (visi izomerai)
IPRV (OEL TWA)	22 mg/m ³
IPRV (OEL TWA) [ppm]	5 ppm
Regulatory reference	LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)
Luxembourg - Occupational Exposure Limits	
Local name	Cresols (tous isomères)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
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 - Occupational Exposure Limits	
Local name	Cresols (all isomers) # Cresols (l-isomeri kollha)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Regulatory reference	S.L.424.24 - Chemical Agents at Work Regulations (L.N.57 of 2018)
Netherlands - Occupational Exposure Limits	
Local name	Kresol (alle isomeren)
MAC-TGG (OEL TWA)	22 mg/m ³
Remark	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.
Regulatory reference	Arbeidsomstandighedenregeling 2021
Poland - Occupational Exposure Limits	
Local name	Krezol - mieszanina izomerów
NDS (OEL TWA)	22 mg/m ³

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CRESOL {MIXTURE} (1319-77-3)	
Regulatory reference	Dz. U. 2018 poz. 1286
Romania - Occupational Exposure Limits	
Local name	Cresoli (toți izomerii)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Remark	P - posibilitatea unei penetrări cutanate importante
Regulatory reference	Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 53/2021)
Serbia - Occupational Exposure Limits	
Local name	крезол
OEL TWA	22 mg/m ³ (сви изомери)
OEL TWA [ppm]	5 ppm (сви изомери)
Remark	EU – напомена да се ради о хемијским материјама за које су утврђене индикативне граничне вредности изложености према Директиви 91/322/ЕЕЗ
Regulatory reference	ПРАВИЛНИК о превентивним мерама за безбедан и здрав рад при излагању хемијским материјама („Службени гласник РС”, бр. 106/09 и 117/17)
Slovakia - Occupational Exposure Limits	
Local name	Krezol (metylfenoly)
NPHV (OEL TWA) [1]	22 mg/m ³
NPHV (OEL TWA) [2]	5 ppm
Regulatory reference	Nariadenie vlády č. 355/2006 Z. z. (236/2020 Z. z.)
Slovenia - Occupational Exposure Limits	
Local name	krezol (o, m, p)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Remark	EU
Regulatory reference	Uradni list RS, št. 78/2019 z dne 20.12.2019
Spain - Occupational Exposure Limits	
Local name	Cresol, todos los isómeros
VLA-ED (OEL TWA) [1]	22 mg/m ³
VLA-ED (OEL TWA) [2]	5 ppm
Remark	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), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden - Occupational Exposure Limits	
Local name	Kresol
NGV (OEL TWA)	4.5 mg/m ³
NGV (OEL TWA) [ppm]	1 ppm
KTV (OEL STEL)	9 mg/m ³

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CRESOL {MIXTURE} (1319-77-3)	
KTV (OEL STEL) [ppm]	2 ppm
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
Iceland - Occupational Exposure Limits	
Local name	Kresól, allir ísómerar (Kresýlsýra, metýlfenól)
OEL TWA	22 mg/m ³
OEL TWA [ppm]	5 ppm
Remark	H (efnið getur auðveldlega borist inn í líkamann gegnum húð)
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	Kresoler alle isomere (Metylfenol)
Grænseverdi (OEL TWA) [1]	22 mg/m ³
Grænseverdi (OEL TWA) [2]	5 ppm
Regulatory reference	FOR-2020-04-06-695
Switzerland - Occupational Exposure Limits	
Local name	Crésol (tous les isomères) / Kresol (alle Isomeren)
MAK (OEL TWA) [1]	22 mg/m ³
MAK (OEL TWA) [2]	5 ppm
KZGW (OEL STEL)	22 mg/m ³
KZGW (OEL STEL) [ppm]	5 ppm
Critical toxicity	VRS / OAW
Notation	R / H
Remark	INRS, NIOSH, OSHA
Regulatory reference	www.suva.ch, 01.01.2021

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

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	: No data available
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	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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

None under recommended storage and handling conditions (see section 7).

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) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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ATE CLP (oral)	771.568 mg/kg bodyweight
Dichloromethane (75-09-2)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
CRESOL {MIXTURE} (1319-77-3)	
LD50 dermal rabbit	≈ 301 mg/kg bodyweight Animal: rabbit, 95% CL: 213 - 426
Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: May cause cancer.
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Dichloromethane (75-09-2)	
NOAEL (oral, rat, 90 days)	6 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
PHENOL (108-95-2)	
LOAEL (dermal, rat/rabbit, 90 days)	260 mg/kg bodyweight Animal: rabbit

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PHENOL (108-95-2)	
NOAEL (dermal, rat/rabbit, 90 days)	130 mg/kg bodyweight Animal: rabbit
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
CRESOL {MIXTURE} (1319-77-3)	
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat, Guideline: other:Sontag JM, Page NP, Saffotti U, NCI, DHEW Publication No (NIH)78-β01Guidelines for Carcinogen Bioassay in small rodents
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Not rapidly degradable	

Dichloromethane (75-09-2)	
LC50 - Fish [1]	193 mg/l Test organisms (species): Pimephales promelas

PHENOL (108-95-2)	
EC50 - Crustacea [1]	3.1 mg/l Test organisms (species): Ceriodaphnia dubia
EC50 72h - Algae [1]	180 mg/l Test organisms (species): Dunaliella tertiolecta
EC50 72h - Algae [2]	217.6 mg/l Test organisms (species): Dunaliella tertiolecta
NOEC (chronic)	0.16 mg/l Test organisms (species): Daphnia magna Duration: '16 d'
NOEC chronic fish	0.077 mg/l Test organisms (species): other:Cirrhina mrigala Duration: '60 d'

CRESOL {MIXTURE} (1319-77-3)	
EC50 - Crustacea [1]	7.7 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.3 mg/l Test organisms (species): Gadus morrhua Duration: '4 d'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 2927	UN 2927	UN 2927	UN 2927	UN 2927
14.2. UN proper shipping name				
TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane)	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane)	Toxic liquid, corrosive, organic, n.o.s. (POTASSIUM HYDROXIDE ; Dichloromethane)	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane)	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane)
Transport document description				
UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane), 6.1 (8), II, (D/E)	UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane), 6.1 (8), II	UN 2927 Toxic liquid, corrosive, organic, n.o.s. (POTASSIUM HYDROXIDE ; Dichloromethane), 6.1 (8), II	UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane), 6.1 (8), II	UN 2927 TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (POTASSIUM HYDROXIDE ; Dichloromethane), 6.1 (8), II
14.3. Transport hazard class(es)				
6.1 (8)	6.1 (8)	6.1 (8)	6.1 (8)	6.1 (8)
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)	: TC1
Special provisions (ADR)	: 274
Limited quantities (ADR)	: 100ml
Excepted quantities (ADR)	: E4
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T11
Portable tank and bulk container special provisions (ADR)	: TP2, TP27
Tank code (ADR)	: L4BH
Tank special provisions (ADR)	: TU15, TE19

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Vehicle for tank carriage : AT
Transport category (ADR) : 2
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28
Special provisions for carriage - Operation (ADR) : S9, S19
Hazard identification number (Kemler No.) : 68
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : 2XE
APP code : B

Transport by sea

Special provisions (IMDG) : 274
Limited quantities (IMDG) : 100 ml
Excepted quantities (IMDG) : E4
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T11
Tank special provisions (IMDG) : TP2, TP27
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Stowage category (IMDG) : B
Stowage and handling (IMDG) : SW2
Properties and observations (IMDG) : Toxic if swallowed, by skin contact or by inhalation. Causes burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA) : E4
PCA Limited quantities (IATA) : Y640
PCA limited quantity max net quantity (IATA) : 0.5L
PCA packing instructions (IATA) : 653
PCA max net quantity (IATA) : 1L
CAO packing instructions (IATA) : 660
CAO max net quantity (IATA) : 30L
Special provisions (IATA) : A4, A137
ERG code (IATA) : 6C

Inland waterway transport

Classification code (ADN) : TC1
Special provisions (ADN) : 274, 802
Limited quantities (ADN) : 100 ml
Excepted quantities (ADN) : E4
Equipment required (ADN) : PP, EP, TOX, A
Ventilation (ADN) : VE02
Number of blue cones/lights (ADN) : 2

Rail transport

Classification code (RID) : TC1
Special provisions (RID) : 274
Limited quantities (RID) : 100ml
Excepted quantities (RID) : E4
Packing instructions (RID) : P001, IBC02
Mixed packing provisions (RID) : MP15
Portable tank and bulk container instructions (RID) : T11
Portable tank and bulk container special provisions (RID) : TP2, TP27
Tank codes for RID tanks (RID) : L4BH
Special provisions for RID tanks (RID) : TU15
Transport category (RID) : 2

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Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28, CW31
Colis express (express parcels) (RID) : CE5
Hazard identification number (RID) : 68

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

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

15.1.2. National regulations

France	
Occupational diseases	
Code	Description
RG 12	Occupational diseases caused by the halogenated aliphatic hydrocarbons listed below: dichloromethane; trichloromethane; tribromomethane; triiodomethane; tetrabromomethane; chloroethane; 1,1-dichloroethane; 1,2-dichloroethane; 1,2-dibromoethane; 1,1,1-trichloroethane; 2-bromopropane; 1,2-dichloropropane; trichlorethylene; tetrachlorethylene; dichloroacetylene; trichlorofluoromethane; 1,1,2,2-tetrachloro-1,2-difluoroethane; 1,1,1-trichloro-2,2,2-trifluoroethane; 1,1-dichloro-2,2,2-trifluoroethane; 1,2-dichloro-1,1-difluoroethane; 1,1-dichloro-1-fluoroethane

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

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

List of sensitizing substances (TRGS 907) : Contains sensitizing substances according TRGS 907

Netherlands

SZW-lijst van kankerverwekkende stoffen : DISTILLATE PHENOLS - TAR ACIDS, POLYALKYLPHENOL FRACTION is listed

SZW-lijst van mutagene stoffen : DISTILLATE PHENOLS - TAR ACIDS, POLYALKYLPHENOL FRACTION is 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 : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

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

Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

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

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
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
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
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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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:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Carc. 1A	Carcinogenicity, Category 1A
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Muta. 1B	Germ cell mutagenicity, Category 1B
Muta. 2	Germ cell mutagenicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2

Safety Data Sheet (SDS), EU

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.