

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

Product form : Mixture
Name : LBzol Reagent
Trade name : LBzol reagent
UFI : MYD0-A0HN-500M-Q84N
EC Index-No. : 604-001-00-2
EC-No. : 203-632-7
CAS-No. : 108-95-2
Product code : TZOL-001
Formula : C₆H₆O

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

Main use category : Laboratory use

1.3. Details of the supplier of the safety data sheet

labbox labware s.l.
Migjorn, 1
P.O. Box Barcelona (SPAIN)
08338 Premia de Dalt, SPAIN
ES
T +34 937 07 79 70, F +34 937 909 532
info@labbox.com, www.labbox.com

1.4. Emergency telephone number

Emergency number : +34 937 077 970 (For technical information_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

Country/Area	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	

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
Acute toxicity (dermal), Category 4 H312
Acute toxicity (inhal.), Category 4 H332
Skin corrosion/irritation, Category 1B H314
Germ cell mutagenicity, Category 2 H341
Specific target organ toxicity — Repeated exposure, Category 2 H373
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

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

: Danger
: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
H314 - Causes severe skin burns and eye damage.
H341 - Suspected of causing genetic defects.
H373 - May cause damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.
: P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P309 - IF exposed or if you feel unwell:
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

2.3. Other hazards

PBT: not relevant – no registration required

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phenol crystallized	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2 REACH-no: 05-2118478411-42	25-50	Acute Tox. 1 (Oral), H300 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373 Aquatic Chronic 2, H411
Guanidine Thiocyanate	CAS-No.: 593-84-0	10-25	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Phenol crystallized	CAS-No.: 108-95-2 EC-No.: 203-632-7 EC Index-No.: 604-001-00-2 REACH-no: 05-2118478411-42	(1 $\leq$ C < 3) Eye Irrit. 2; H319 (1 $\leq$ C < 3) Skin Irrit. 2; H315 (3 $\leq$ C < 100) Skin Corr. 1B; H314

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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 after inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing.
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. Do not induce vomiting. Call a physician immediately.

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

No additional information available

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

Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Carbon dioxide. Dry powder.
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5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Eliminate every possible source of ignition.
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6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Absorb remaining liquid with sand or inert absorbent and remove to safe place.
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6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Keep away from sources of ignition - No smoking.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Store in a well-ventilated place. Keep container tightly closed.
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed.
Storage temperature	: 0 (2 – 25) °C

7.3. Specific end use(s)

Laboratory chemicals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

LBzol reagent (108-95-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Phenol
IOEL TWA	8 mg/m ³
	2 ppm
IOEL STEL	16 mg/m ³
	4 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU
France - Occupational Exposure Limits	
Local name	Phénol
VME (OEL TWA)	7,8 mg/m ³
	2 ppm
VLE (OEL Ceiling/STEL)	15,6 mg/m ³
	4 ppm
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée; substance classée mutagène de catégorie 2
Regulatory reference	Article R4412-149 du Code du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Phenol
AGW (OEL TWA)	8 mg/m ³
	2 ppm
Limitation of exposure peaks	2(II)
Remark	EU;H;11
Regulatory reference	TRGS900
Greece - Occupational Exposure Limits	
Local name	Φαινόλη
OEL TWA	8 mg/m ³
	2 ppm
OEL STEL	16 mg/m ³

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LBzol reagent (108-95-2)	
	4 ppm
Regulatory reference	П.Д. 12/2012
Italy - Occupational Exposure Limits	
Local name	Fenolo
OEL TWA	8 mg/m ³
	2 ppm
OEL STEL	16 mg/m ³
	4 ppm
Remark	pelle
Regulatory reference	Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i.
Latvia - Occupational Exposure Limits	
Local name	Fenols (hidroksibenzols)
OEL TWA	8 mg/m ³
	2 ppm
OEL STEL	16 mg/m ³
	4 ppm
Regulatory reference	Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325 (Grozījumi Ministru kabineta 2011.gada 1.februārī noteikumiem Nr.92)
Portugal - Occupational Exposure Limits	
Local name	Fenol
OEL TWA	5 ppm
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Fenol
OEL TWA	8 mg/m ³
	2 ppm
OEL STEL	16 mg/m ³
	4 ppm
Regulatory reference	Hotărârea nr. 584/2018
Spain - Occupational Exposure Limits	
Local name	Fenol
VLA-ED (OEL TWA)	8 mg/m ³
	2 ppm
VLA-EC (OEL STEL)	16 mg/m ³
	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).

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LBzol reagent (108-95-2)	
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
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
United Kingdom - Occupational Exposure Limits	
Local name	Phenol
WEL TWA (OEL TWA)	7,8 mg/m ³
	2 ppm
WEL STEL	16 mg/m ³
	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 (Third edition, 2018). HSE
Phenol crystallized (108-95-2)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Phenol
IOEL TWA	8 mg/m ³
	2 ppm
IOEL STEL	16 mg/m ³
	4 ppm
Remark	skin
France - Occupational Exposure Limits	
Local name	Phénol
VME (OEL TWA)	7,8 mg/m ³
	2 ppm
VLE (OEL Ceiling/STEL)	15,6 mg/m ³
	4 ppm
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée; substance classée mutagène de catégorie 2
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Phenol
AGW (OEL TWA)	8 mg/m ³
	2 ppm
Remark	EU,H,11

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Phenol crystallized (108-95-2)	
Italy - Occupational Exposure Limits	
Local name	Fenolo
OEL TWA	8 mg/m ³
	2 ppm
OEL STEL	16 mg/m ³
	4 ppm
Portugal - Occupational Exposure Limits	
Local name	Fenol
OEL TWA	5 ppm
Spain - Occupational Exposure Limits	
Local name	Fenol
VLA-ED (OEL TWA)	8 mg/m ³
	2 ppm
VLA-EC (OEL STEL)	16 mg/m ³
	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. Para más información véase el Apartado 5 de este documento), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país).
United Kingdom - Occupational Exposure Limits	
Local name	Phenol
WEL TWA (OEL TWA)	7,8 mg/m ³
	2 ppm
WEL STEL	16 mg/m ³
	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)

DNEL and PNEC

LBzol reagent (108-95-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	16 mg/m ³
Long-term - systemic effects, dermal	1,23 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,4 mg/kg bodyweight/day

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LBzol reagent (108-95-2)	
Long-term - systemic effects, inhalation	1,32 mg/m ³
Long-term - systemic effects, dermal	0,4 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,0077 mg/l
PNEC aqua (marine water)	0,00077 mg/l
PNEC aqua (intermittent, freshwater)	0,031 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,0915 mg/kg dwt
PNEC sediment (marine water)	0,00915 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,136 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2,1 mg/l

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. EN 374.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
			EN 166

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

protective gloves

Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: light red.
Odour	: Not available

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Odour threshold	: Not available
Melting point	: 40,9 °C Atm. press.: 1013 hPa
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 81 °C Atm. press.: 1013 hPa
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable in use and storage conditions as recommended in item 7.

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

No additional information available

10.5. Incompatible materials

Strong acids. Oxidizing agent. alkali metals.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

LBzol reagent (108-95-2)

LD50 oral rat	270 mg/kg
LD50 oral	630 mg/kg
ATE CLP (dermal)	1700 mg/kg bodyweight

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LBzol reagent (108-95-2)	
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

Phenol crystallized (108-95-2)	
LD50 oral rat	100 mg/kg
LD50 dermal rabbit	630 mg/kg
LC50 inhalation rat (mg/l)	0,5 mg/l

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Assumed to cause serious eye damage
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.

LBzol reagent (108-95-2)	
LOAEL (dermal, rat/rabbit, 90 days)	260 mg/kg bodyweight Animal: rabbit
NOAEL (dermal, rat/rabbit, 90 days)	130 mg/kg bodyweight Animal: rabbit

Phenol crystallized (108-95-2)	
LOAEL (dermal, rat/rabbit, 90 days)	260 mg/kg bodyweight Animal: rabbit
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.

Aspiration hazard	: Not classified
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11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: Not listed on IARC (International Agency for Research on Cancer)	,Not applicable
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - water	: Toxic to aquatic life.
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.

LBzol reagent (108-95-2)	
EC50 - Daphnia [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'

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Phenol crystallized (108-95-2)

LC50 - Fish [1]	14 mg/l Salmo gairdneri
EC50 - Daphnia [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
ErC50 algae	370 mg/l
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'

12.2. Persistence and degradability

LBzol reagent (108-95-2)

Persistence and degradability	Rapidly degradable
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Phenol crystallized (108-95-2)

Persistence and degradability	Rapidly degradable
Biochemical oxygen demand (BOD)	1,68 g O ₂ /g substance
Chemical oxygen demand (COD)	2,33 g O ₂ /g substance
BOD (% of ThOD)	0,72 % ThOD
Biodegradation	85 %

Guanidine Thiocyanate (593-84-0)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Phenol crystallized (108-95-2)

BCF - Fish [1]	17
Bioaccumulative potential	Low.

12.4. Mobility in soil

Phenol crystallized (108-95-2)

Surface tension	1,847 N/m
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12.5. Results of PBT and vPvB assessment

LBzol reagent (108-95-2)

PBT: not relevant – no registration required
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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Not applicable.

12.7. Other adverse effects

Other adverse effects : Do not discharge into drains or rivers.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Must follow special treatment according to local regulation.
Ecological information	: Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: UN 2810
UN-No. (IMDG)	: UN 2810
UN-No. (IATA)	: UN 2810
UN-No. (ADN)	: UN 2810
UN-No. (RID)	: UN 2810

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (IMDG)	: TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (IATA)	: Toxic liquid, organic, n.o.s.
Proper Shipping Name (ADN)	: TOXIC LIQUID, ORGANIC, N.O.S.
Proper Shipping Name (RID)	: TOXIC LIQUID, ORGANIC, N.O.S.
Transport document description (ADR) (ADR)	: UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)), 6.1, II, (D/E)
Transport document description (IMDG)	: UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)), 6.1, II
Transport document description (IATA)	: UN 2810 Toxic liquid, organic, n.o.s. (TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)), 6.1, II
Transport document description (ADN)	: UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)), 6.1, II
Transport document description (RID)	: UN 2810 TOXIC LIQUID, ORGANIC, N.O.S. (TOXIC LIQUID, ORGANIC, N.O.S. (PHENOL)), 6.1, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 6.1
Danger labels (ADR)	: 6.1
	:



IMDG

Transport hazard class(es) (IMDG)	: 6.1
Danger labels (IMDG)	: 6.1
	:



IATA

Transport hazard class(es) (IATA)	: 6.1
Danger labels (IATA)	: 6.1
	:



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ADN

Transport hazard class(es) (ADN) : 6.1
Danger labels (ADN) : 6.1
:



RID

Transport hazard class(es) (RID) : 6.1
Danger labels (RID) : 6.1
:



14.4. Packing group

Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (ADN) : II
Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-A
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : T1
Special provisions (ADR) : 274, 614
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
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.) : 60
Orange plates :



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

Transport by sea

Special provisions (IMDG) : 274
Limited quantities (IMDG) : 100 ml

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Excepted quantities (IMDG)	: E4
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP13, TP27
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Toxic if swallowed, by skin contact or by inhalation.

Air transport

PCA Excepted quantities (IATA)	: E4
PCA Limited quantities (IATA)	: Y641
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 654
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 662
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A4, A137
ERG code (IATA)	: 6L

Inland waterway transport

Classification code (ADN)	: T1
Special provisions (ADN)	: 274, 614, 802
Limited quantities (ADN)	: 100 ml
Excepted quantities (ADN)	: E4
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, TOX, A
Ventilation (ADN)	: VE02
Number of blue cones/lights (ADN)	: 2

Rail transport

Classification code (RID)	: T1
Special provisions (RID)	: 274, 614
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
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW28, CW31
Colis express (express parcels) (RID)	: CE5
Hazard identification number (RID)	: 60

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

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REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

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.

POP Regulation (Persistent Organic Pollutants)

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

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

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.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

National regulations

Germany

VOC ordinance (ChemVOCFarbV)	:	
Water hazard class (WGK)	:	WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).
Chemicals Prohibition Ordinance (ChemVerbotsV)	:	This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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

Denmark

Class for fire hazard	:	Class III-1
Store unit	:	50 liter
Classification remarks	:	Flammable according to the Danish Ministry of Justice; 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

15.2. Chemical safety assessment

No additional information available

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SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 1 (Oral)	Acute toxicity (oral), Category 1
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H300	Fatal if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.