

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Phenol/1,1,2,2-tetrachloroethane mixture (w:w) 60:40 for the determination of the inherent viscosity**

Revision: 11.09.2025

Product code: 19978

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

Phenol/1,1,2,2-tetrachloroethane mixture (w:w) 60:40 for the determination of the inherent viscosity

UFI: M7AS-S12U-A00T-1673

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

Reagents and laboratory chemicals

Only for laboratory and analysis purposes.

**Uses advised against**

Do not use for private purposes (household).

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

Company name: AnalytiChem GmbH

ACD

Street: Stempelstraße 6

Place: D-47167 Duisburg

Telephone: 0203/5194-0

Telefax: 0203/5194-290

E-mail: info@analytichem.de

Contact person: Abteilung Produktsicherheit

Telephone: 0203/5194-107/117

E-mail: produktsicherheit@analytichem.de

Internet: www.analytichem.de

Responsible Department: Abteilung Produktsicherheit

**1.4. Emergency telephone number:**

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

**Further Information**

This product is a mixture. REACH Registration Number see section 3.

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

Carc. 2; H351

Muta. 2; H341

Acute Tox. 1; H310

Acute Tox. 2; H330

Acute Tox. 3; H301

Skin Corr. 1B; H314

Eye Dam. 1; H318

STOT RE 2; H373

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008**

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**Hazard components for labelling**phenol  
1,1,2,2-tetrachloroethane**Signal word:** Danger**Pictograms:****Hazard statements**

H310+H330 Fatal in contact with skin or if inhaled.  
H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310 Immediately call a POISON CENTER/doctor.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Special labelling of certain mixtures**

For use in industrial installations only.

**2.3. Other hazards**

No data available

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
108-95-2	phenol			60 - < 65 %
	203-632-7	604-001-00-2	01-2119471329-32	
	Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, STOT RE 2, Aquatic Chronic 2; H341 H331 H311 H301 H314 H373 H411			
79-34-5	1,1,2,2-tetrachloroethane			40 - < 45 %
	201-197-8	602-015-00-3		
	Carc. 2, Muta. 2, Acute Tox. 1, Acute Tox. 2, Aquatic Chronic 2; H351 H341 H310 H330 H411			

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

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
108-95-2	203-632-7	phenol	60 - < 65 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = 850 mg/kg; oral: LD50 = 530 mg/kg Skin Corr. 1B; H314: >= 3 - 100 Skin Irrit. 2; H315: >= 1 - < 3 Eye Irrit. 2; H319: >= 1 - < 3	
79-34-5	201-197-8	1,1,2,2-tetrachloroethane	40 - < 45 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 5 mg/kg	

**Further Information**

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

fast help required Call a physician immediately.  
First aider: Pay attention to self-protection!  
Remove affected person from the danger area and lay down.

**After inhalation**

Provide fresh air.  
If breathing is irregular or stopped, administer artificial respiration.  
Call a physician immediately.

**After contact with skin**

Wash immediately with: Water, Polyethylene glycol 400 / Polyethylene glycol 300/ethanol (2:1)  
Take off immediately all contaminated clothing and wash it before reuse.  
Call a physician immediately.  
(for phenol): rinse the affected skin areas with plenty of water as quickly as possible using the nearest emergency shower. Rinse with a mixture of polyethylene glycol 300 (PEG 300)/ethanol 2:1; Rinse with polyethylene glycol 400 (PEG 400) ; Rinse with polyethylene glycol 300 (PEG 300). Practical experience and experimental studies have shown that the best results are achieved with the first method (PEG 300/ethanol) for practically all phenols. As far as non-chlorinated cresols and phenols are concerned, PEG 400 can also be used successfully. After rinsing with PEG 400 or PEG 300/ethanol 2:1, you should alternately rinse with plenty of water (e.g. emergency shower).

**After contact with eyes**

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Consult an ophthalmologist.

**After ingestion**

Provide fresh air.  
Call a physician immediately.

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

corrosive, Irritant, Cough  
Dyspnoea, Cardiac arrhythmias, Circulatory collapse  
Dizziness, Risk of serious damage to eyes.  
Dizziness, Anaesthetic state  
Agitation, Spasms  
Inebriation, Vomiting

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Headache, Impairment of vision

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

No data available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.**Unsuitable extinguishing media**

no restriction

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

Hazardous combustion products

In case of warming: Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Heating causes rise in pressure with risk of bursting.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Wear full chemical protective clothing.

In case of fire and/or explosion do not breathe fumes.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Suppress gases/vapours/mists with water spray jet.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Do not breathe dust/fume/gas/mist/vapours/spray.

**For non-emergency personnel**

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. Methods and material for containment and cleaning up****For containment**

Cover drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Collect in closed and suitable containers for disposal.

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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**For cleaning up**

Clean contaminated articles and floor according to the environmental legislation.

**Other information**

Provide adequate ventilation.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid exposure - obtain special instructions before use.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Read label before use. Handle and open container with care.

When using do not eat, drink, smoke, sniff. Keep container tightly closed.

Use personal protection equipment. Use extractor hood (laboratory).

Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

In case of warming: Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

**Further information on handling**

Take off immediately all contaminated clothing and wash it before reuse.

Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.

Keep locked up.

Store in a place accessible by authorized persons only.

Provide adequate ventilation as well as local exhaustion at critical locations.

**Hints on joint storage**

national regulations

**Further information on storage conditions**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protect against: Light

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

Laboratory chemicals

**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
79-34-5	1,1,2,2-Tetrachloroethane	1	6.9		TWA (8 h)	
108-95-2	Phenol	2	8		TWA (8 h)	
		4	16		STEL (15 min)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-95-2	Phenol	Phenol	120 mg/g	Creatinine	End of shift

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
108-95-2	phenol			
Worker DNEL, long-term		inhalation	systemic	8 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	16 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	1,23 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,452 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,5 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
108-95-2	phenol	
Freshwater		0,008 mg/l
Freshwater (intermittent releases)		0,031 mg/l
Marine water		0,001 mg/l
Freshwater sediment		0,091 mg/kg
Marine sediment		0,009 mg/kg
Micro-organisms in sewage treatment plants (STP)		2,1 mg/l
Soil		0,136 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe vapour/aerosol.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

goggles

Face protection shield

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**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de) With specification (test according to EN374):

By long-term hand contact

Trade name/designation: KCL 890 Vitoject®

Recommended material: FKM (fluoro rubber) 0,7 mm

Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation: KCL 898 Butoject®

Recommended material: Butyl caoutchouc (butyl rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 480 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet<(>,<)> supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

**Skin protection**

Wear suitable protective clothing, gloves and eye/face protection.

Take off immediately all contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

**Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Thermal hazards**

No data available

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	colourless	
Odour:	like: Phenol	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		No data available
Flammability:		No data available

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Lower explosion limits:	No data available
Upper explosion limits:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH-Value:	not determined
Viscosity / kinematic:	No data available
Water solubility:	No data available
Solubility in other solvents	
not determined	
Dissolution rate:	No data available
Partition coefficient n-octanol/water:	No data available
Dispersion stability:	No data available
Vapour pressure:	No data available
Vapour pressure:	No data available
Density:	1,2326 g/cm <sup>3</sup>
Relative density:	No data available
Bulk density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available

**9.2. Other information**

**Information with regard to physical hazard classes**

**Explosive properties**

Vapours can form explosive mixtures with air.

**Sustained combustibility:**

No data available

**Self-ignition temperature**

Solid:

No data available

Gas:

No data available

**Oxidizing properties**

No data available

**Other safety characteristics**

**Evaporation rate:**

No data available

**Solvent separation test:**

No data available

**Solvent content:**

No data available

**Solid content:**

No data available

**Sublimation point:**

No data available

**Softening point:**

No data available

**Pour point:**

No data available

**No data available:**

**Viscosity / dynamic:**

No data available

**Flow time:**

No data available

**Further Information**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Vapours can form explosive mixtures with air.

**10.2. Chemical stability**



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Protect against: Light

**10.3. Possibility of hazardous reactions**

Oxidising agent

(for phenol) aluminum, aldehydes, halogens, nitrites, nitrates, hydrogen peroxide, salts of halogen-oxygen acids, peroxide compounds, isocyanates

**10.4. Conditions to avoid**

Vapours can form explosive mixtures with air.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5. Incompatible materials**

Metal

Plastic articles

**10.6. Hazardous decomposition products**

No data available

**Further information**

No data available

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

Avoid exposure - obtain special instructions before use.

**Acute toxicity**

Fatal in contact with skin.

Fatal if inhaled.

Toxic if swallowed.

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

Mucous membrane irritation in the mouth, throat, esophagus and gastrointestinal tract.

Inhalation effect: Damage to the respiratory tract.

**ATEmix calculated**

ATE (oral) 166,7 mg/kg; ATE (dermal) 12,40 mg/kg; ATE (inhalation vapour) 1,000 mg/l; ATE (inhalation dust/mist) 0,1090 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
108-95-2	phenol				
	oral	LD50 530 mg/kg	Rat	J Pharmacol Exp Ther 80: 233-240 (1944)	OECD Guideline 401
	dermal	LD50 850 mg/kg	Rabbit	Am Ind Hyg Assoc J 37: 596-606 (1976)	OECD Guideline 402
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
79-34-5	1,1,2,2-tetrachloroethane				
	dermal	ATE 5 mg/kg			
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

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**Irritation and corrosivity**

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Risk of serious damage to eyes.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing cancer. (1,1,2,2-tetrachloroethane)

Suspected of causing genetic defects. (phenol; 1,1,2,2-tetrachloroethane)

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**May cause damage to organs through prolonged or repeated exposure. (phenol)  
(liver, kidneys, heart)**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

There are no data available on the mixture itself.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards****Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

There are no data available on the mixture itself.

**Further information**

corrosive, Irritant, Cough

Dyspnoea, Cardiac arrhythmias, Circulatory collapse

Dizziness, Risk of serious damage to eyes.

Dizziness, Anaesthetic state

Agitation, Spasms

Inebriation, Vomiting

Headache, Impairment of vision

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
108-95-2	phenol					
	Acute fish toxicity	LC50	8,9 mg/l	96 h	Oncorhynchus mykiss	Publication (1980)
	Acute algae toxicity	ErC50	61,1 mg/l	96 h	Raphidocelis subcapitata	Environ. Toxicol. Water Qual. 7: 35-48 (
	Acute crustacea toxicity	EC50	3,1 mg/l	48 h	Ceriodaphnia dubia	Publication (1991)
	Fish toxicity	NOEC	0,077 mg/l	60 d	Cirrhina mrigala	Publication (1984)
	Crustacea toxicity	NOEC	0,16 mg/l	16 d	Daphnia magna	Ecotoxicol. Envir. Saf. 15: 72-77 (1988)

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
108-95-2	phenol	1,47

**BCF**

CAS No	Chemical name	BCF	Species	Source
108-95-2	phenol	17,5	Danio rerio	Publication (1985)

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

There are no data available on the mixture itself.

**Further information**

Do not allow to enter into surface water or drains.

Avoid release to the environment.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods****Disposal recommendations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

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**Contaminated packaging**

This material and its container must be disposed of as hazardous waste.

Handle contaminated packages in the same way as the substance itself.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b><u>14.1. UN number or ID number:</u></b>	UN 2810
<b><u>14.2. UN proper shipping name:</u></b>	TOXIC LIQUID, ORGANIC, N.O.S. (phenol, 1,1,2,2-tetrachloroethane)
<b><u>14.3. Transport hazard class(es):</u></b>	6.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	6.1
Classification code:	T1
Special Provisions:	274 614
Limited quantity:	100 mL
Excepted quantity:	E4
Transport category:	2
Hazard No:	60
Tunnel restriction code:	D/E

**Inland waterways transport (ADN)**

<b><u>14.1. UN number or ID number:</u></b>	UN 2810
<b><u>14.2. UN proper shipping name:</u></b>	TOXIC LIQUID, ORGANIC, N.O.S. (phenol, 1,1,2,2-tetrachloroethane)
<b><u>14.3. Transport hazard class(es):</u></b>	6.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	6.1
Classification code:	T1
Special Provisions:	274 614 802
Limited quantity:	100 mL
Excepted quantity:	E4

**Marine transport (IMDG)**

<b><u>14.1. UN number or ID number:</u></b>	UN 2810
<b><u>14.2. UN proper shipping name:</u></b>	TOXIC LIQUID, ORGANIC, N.O.S. (phenol, 1,1,2,2-tetrachloroethane)
<b><u>14.3. Transport hazard class(es):</u></b>	6.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	6.1
Special Provisions:	274
Limited quantity:	100 mL
Excepted quantity:	E4
EmS:	F-A, S-A

**Air transport (ICAO-TI/IATA-DGR)**

<b><u>14.1. UN number or ID number:</u></b>	UN 2810
<b><u>14.2. UN proper shipping name:</u></b>	TOXIC LIQUID, ORGANIC, N.O.S. (phenol, 1,1,2,2-tetrachloroethane)
<b><u>14.3. Transport hazard class(es):</u></b>	6.1
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	6.1
Special Provisions:	A3 A4 A137
Limited quantity Passenger:	1 L
Passenger LQ:	Y641
Excepted quantity:	E4

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IATA-packing instructions - Passenger:	654
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	662
IATA-max. quantity - Cargo:	60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS:	Yes
Danger releasing substance:	1,1,2,2-tetrachloroethane

**14.6. Special precautions for user**

Warning: Combustible liquid. Toxic.

**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 regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 35, Entry 75

Information according to Directive 2012/18/EU (SEVESO III): H1 ACUTE TOXIC

Additional information: E2

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 3 - highly hazardous to water

Skin resorption/Sensitization: Permeates easily through outer skin and causes poisoning.

**SECTION 16: Other information**

**Abbreviations and acronyms**

Acute Tox. 1: Acute toxicity, hazard category 1

Skin Corr. 1B: Skin corrosion, sub-category 1B

Eye Dam. 1: Serious eye damage, hazard category 1

Muta. 2: Germ cell mutagenicity, hazard category 2

Carc. 2: Carcinogenicity, hazard category 2

STOT RE 2: Specific target organ toxicity - repeated exposure, hazard category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard category: Chronic 2

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

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**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Carc. 2; H351	Calculation method
Muta. 2; H341	Calculation method
Acute Tox. 1; H310	Calculation method
Acute Tox. 2; H330	Calculation method
Acute Tox. 3; H301	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	

**Relevant H and EUH statements (number and full text)**

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H310+H330	Fatal in contact with skin or if inhaled.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Provide appropriate information, instructions and training to users

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*