

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 1 of 14

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

1.1. Product identifier

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

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

Use of the substance/mixture

Laboratory chemicals

Industrial uses: Uses of substances as such or in preparations at industrial sites

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

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	
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

Acute Tox. 3; H301

Acute Tox. 3; H331

Skin Corr. 1B; H314

Eye Dam. 1; H318

Muta. 2; H341

Carc. 2; H351

Repr. 2; H361d

STOT SE 3; H336

STOT RE 1; H372

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

Hazard components for labelling

trichloromethane

phenol

Signal word: Danger

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 2 of 14

Pictograms:



Hazard statements

- H301 Toxic if swallowed.
- H331 Toxic if inhaled.
- H314 Causes severe skin burns and eye damage.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H361d Suspected of damaging the unborn child.
- H336 May cause drowsiness or dizziness.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.

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

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
67-66-3	trichloromethane			55 - < 60 %
	200-663-8	602-006-00-4	01-2119486657-20	
	Carc. 2, Muta. 2, Repr. 2, Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 1; H351 H341 H361d H331 H302 H315 H319 H336 H372			
108-95-2	phenol			40 - < 45 %
	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			

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 3 of 14

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-66-3	200-663-8	trichloromethane	55 - < 60 %
		inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); oral: LD50 = 908 mg/kg	
108-95-2	203-632-7	phenol	40 - < 45 %
		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	

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

First aider: Pay attention to self-protection!

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

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

Call a physician immediately.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Remove contact lenses, if present and easy to do. Continue rinsing.

Protect uninjured eye.

After ingestion

Observe risk of aspiration if vomiting occurs.

Call a physician immediately.

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

Irritant

Cough

Dyspnoea

Respiratory complaints

Dizziness

Anaesthetic state

Agitation

Spasms

Inebriation

Gastrointestinal complaints

Vomiting

Headache

Has degreasing effect on the skin.

Circulatory collapse

Cardiac arrhythmias

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 4 of 14

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

no restriction

5.2. Special hazards arising from the substance or mixture

Combustible liquids

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

Hazardous combustion products

In case of fire may be liberated:

Hydrogen chloride (HCl)

Phosgene

5.3. Advice for firefighters

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

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

Avoid contact with skin, eyes and clothes.

Additional information

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

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

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

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).

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 5 of 14

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid exposure - obtain special instructions before use.
Read label before use. Handle and open container with care.
When using do not eat, drink, smoke, sniff. Use personal protection equipment.
Provide adequate ventilation. Avoid contact with skin, eyes and clothes.
Do not breathe vapour/aerosol. Use extractor hood (laboratory).

Advice on protection against fire and explosion

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

Advice on general occupational hygiene

Keep away from food, drink and animal feedingstuffs. 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. Avoid: aerosol or mist formation Do not breathe vapour/aerosol.

Further information on handling

Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary.
Take off immediately all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a well-ventilated place. Keep container tightly closed.
Store in a place accessible by authorized persons only.

Further information on storage conditions

Protect from sunlight.

7.3. Specific end use(s)

Laboratory chemicals

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
67-66-3	Chloroform	2	9.8		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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 6 of 14

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
67-66-3	trichloromethane			
Worker DNEL, long-term		inhalation	systemic	2,5 mg/m ³
Worker DNEL, acute		inhalation	systemic	333 mg/m ³
Worker DNEL, long-term		inhalation	local	2,5 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,94 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,18 mg/m ³
108-95-2	phenol			
Worker DNEL, long-term		inhalation	systemic	8 mg/m ³
Worker DNEL, acute		inhalation	local	16 mg/m ³
Worker DNEL, long-term		dermal	systemic	1,23 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,32 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,4 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,4 mg/kg bw/day

PNEC values

CAS No	Substance	Value
67-66-3	trichloromethane	
Freshwater		0,146 mg/l
Freshwater (intermittent releases)		0,133 mg/l
Marine water		0,015 mg/l
Freshwater sediment		0,45 mg/kg
Marine sediment		0,09 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,048 mg/l
Soil		0,56 mg/kg
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.

Individual protection measures, such as personal protective equipment

Eye/face protection

goggles

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 7 of 14

Wear eye/face protection.

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 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 890 Vitoject®
Recommended material: FKM (fluoro 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).

Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing.
Wash hands before breaks and after work.

Respiratory protection

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

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:	characteristic	
Odour threshold:	No data available	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		>35 °C
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		>60 °C
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Viscosity / kinematic:		No data available

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 8 of 14

Water solubility:	No data available
Solubility in other solvents	
No data available	
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:	1,275 g/cm ³
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

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

Sustaining combustion:

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

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

10.2. Chemical stability

Protect against:

Heat

10.3. Possibility of hazardous reactions

Ammonia (NH₃), Amines

Nitrogen oxides (NO_x), Alkali (lye)

Fluorine, Alkali metals

Alkaline earth metal, metals

Powdered metals, Methanol

Light metal, Ketone

Oxidising agent, Acid

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 9 of 14

Formaldehyde
aldehydes, peroxides, for example hydrogen peroxide

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Rubber articles
plastics
Metal

10.6. Hazardous decomposition products

In case of fire may be liberated:
SECTION 5: Firefighting measures

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

Toxic if swallowed.
Toxic if inhaled.

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

ATEmix calculated

ATE (oral) 206,8 mg/kg; ATE (inhalation vapour) 3,00 mg/l; ATE (inhalation dust/mist) 0,500 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-66-3	trichloromethane				
	oral	LD50 mg/kg 908	Rat	Toxicology and Applied Pharmacology 52,	OECD Guideline 401
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
108-95-2	phenol				
	oral	LD50 mg/kg 530	Rat	J Pharmacol Exp Ther 80: 233-240 (1944)	OECD Guideline 401
	dermal	LD50 mg/kg 850	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			

Irritation and corrosivity

Causes severe skin burns and eye damage.
Causes serious eye damage.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing genetic defects. (trichloromethane; phenol)
Suspected of causing cancer. (trichloromethane)
Suspected of damaging the unborn child. (trichloromethane)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 10 of 14

STOT-single exposure

May cause drowsiness or dizziness. (trichloromethane)

STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (trichloromethane)

May cause damage to organs through prolonged or repeated exposure. (phenol)

Aspiration hazard

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

Observe risk of aspiration if vomiting occurs. (Pulmonary oedema Pneumonia)

Information on likely routes of exposure

There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Additional information on tests

There are no data available on the preparation/mixture itself.

Practical experience

There are no data available on the preparation/mixture itself.

11.2. Information on other hazards

Endocrine disrupting properties

There are no data available on the preparation/mixture itself.

Other information

There are no data available on the preparation/mixture itself.

Further information

Irritant

Cough

Dyspnoea

Respiratory complaints

Dizziness

Anaesthetic state

Agitation

Spasms

Inebriation

Gastrointestinal complaints

Vomiting

Headache

Has degreasing effect on the skin.

Circulatory collapse

Cardiac arrhythmias

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 11 of 14

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-66-3	trichloromethane					
	Acute fish toxicity	LC50 103 - 171 mg/l	96 h	Pimephales promelas	Bulletin of Environmental Contamination	Method after: Procedures recommended by
	Acute algae toxicity	ErC50 13,3 mg/l	72 h	Chlamydomonas reinhardtii	Environmental Science and Pollution Rese	A modified cell multiplication inhibito
	Acute crustacea toxicity	EC50 152,5 mg/l	48 h	other aquatic mollusc: Crassostrea gigas	Study report (2002)	other: ASTM Method E724-94
	Crustacea toxicity	NOEC 13 mg/l	21 d	Daphnia magna	Water Research 23(4), 501-510 (1989)	other: Recommendation of the
	Acute bacteria toxicity	(EC50 840 mg/l)	0,5 h	activated sludge of a predominantly domestic sewage	Toxicity Assessment: An International Jo	OECD Guideline 209
108-95-2	phenol					
	Acute fish toxicity	LC50 8,9 mg/l	96 h	Oncorhynchus mykiss	Publication (1980)	other:
	Acute algae toxicity	ErC50 61,1 mg/l	96 h	Pseudokirchneriella subcapitata	Environ. Toxicol. Water Qual. 7: 35-48 (other: US EPA
	Acute crustacea toxicity	EC50 3,1 mg/l	48 h	Ceriodaphnia dubia	Publication (1991)	Test performance in compliance with EPA
	Fish toxicity	NOEC 0,077 mg/l	60 d	Cirrhina mrigala	Publication (1984)	Method: other
	Crustacea toxicity	NOEC 0,16 mg/l	16 d	Daphnia magna	Ecotoxicol. Envir. Saf. 15: 72-77 (1988)	other: NEN 6502

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
67-66-3	trichloromethane	1,97
108-95-2	phenol	1,47

BCF

CAS No	Chemical name	BCF	Species	Source
67-66-3	trichloromethane	690	Selenastrum capricornutum	Environmental Scienc
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.

There are no data available on the mixture itself.

12.6. Endocrine disrupting properties

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 12 of 14

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

There are no data available on the mixture itself.

12.7. Other adverse effects

Discharge into the environment must be avoided.

Further information

Do not allow to enter into surface water or drains.

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 empty into drains.

Contaminated packaging

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.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

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

14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (phenol, trichloromethane)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	II
Hazard label:	6.1+8
Classification code:	TC1
Special Provisions:	274
Limited quantity:	100 mL
Excepted quantity:	E4
Transport category:	2
Hazard No:	68
Tunnel restriction code:	D/E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (phenol, trichloromethane)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	II
Hazard label:	6.1+8
Classification code:	TC1
Special Provisions:	274 802
Limited quantity:	100 mL
Excepted quantity:	E4

Marine transport (IMDG)

14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (phenol, trichloromethane)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	II

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 13 of 14

Hazard label:	6.1+8
Special Provisions:	274
Limited quantity:	100 mL
Excepted quantity:	E4
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 2927
14.2. UN proper shipping name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S. (phenol, trichloromethane)
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	II
Hazard label:	6.1+8
Special Provisions:	A4 A137
Limited quantity Passenger:	0.5 L
Passenger LQ:	Y640
Excepted quantity:	E4
IATA-packing instructions - Passenger:	653
IATA-max. quantity - Passenger:	1 L
IATA-packing instructions - Cargo:	660
IATA-max. quantity - Cargo:	30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	Yes
Danger releasing substance:	phenol

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 32, Entry 75	
Information according to 2012/18/EU (SEVESO III):	H2 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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,13.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Chloroform / phenol mixture for analysis mixed 1:1 volumetrically

Revision date: 02.05.2023

Product code: 27935

Page 14 of 14

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

Classification	Classification procedure
Acute Tox. 3; H301	Calculation method
Acute Tox. 3; H331	
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Muta. 2; H341	Calculation method
Carc. 2; H351	Calculation method
Repr. 2; H361d	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 1; H372	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

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.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
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.

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