

SAFETY DATA SHEET

Acc. to Regulation (EC) No. 1907/2006
and (EU) No. 2020/878 for

PHENOL, SYNTHETIC

DOMO Caproleuna GmbH
Bau 3101 – Am Haupttor
D-06237 Leuna

Prepared

2010-11-24

Updated

2022-12-20

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

Chemical name: Phenol
Trade name: Phenol, synthetic
EINECS Number: 203-632-7
REACH Registration No.: 01-2119471329-32-XXXX
Form: no nanoform
UFI Code: not applicable; product is a substance

1.2 Relevant identified uses of the substance or mixture and uses advised againstIdentified uses

- Manufacture, processing and distribution of substances and mixtures*
- Use in laboratories
- Use in coatings
- Use as binders and release agents
- Rubber production and processing
- Polymer manufacturing
- Polymer processing
- Phenolic resin processing (uses of downstream users of phenolic resins)
- Use as intermediate,
- Use as monomer etc.
- Use as solvent
- Use for the manufacturing of resins

Uses advised against

Not required

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier: DOMO Caproleuna GmbH
Bau 3101 – Am Haupttor
D-06237 Leuna
Tel. + 49 34 61 43-22 42
Fax + 49 34 61 43-22 20
E-mail sds@domo.org

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1.4 Emergency telephone number

Europe	+44 1235 239670	[Carechem 24]
Middle East/Africa	+44 1235 239671	[Carechem 24]
North/South America	+1 215 207 0061	[Carechem 24]
East/South East Asia	+65 3158 1195	[Carechem 24]

*country specific emergency telephone numbers in section 16

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture (CLP)

Hazard classes/categories	Hazard-statement	Classification procedure
Acute oral toxicity, category 3	H301	test result
Acute dermal toxicity, category 3	H311	test result
Skin corrosion/irritation, category 1B	H314	test result
Acute inhalation toxicity, category 3	H331	test result
Germ cell mutagenicity, category 2	H341	test result
Specific target organ toxicity (repeated exposure), category 2	H373	test result
Aquatic chronic, category 2	H411	test result

*Self-classification acc. to ATP 2 (EC 286/2011): Aquatic chronic, category 2; H411, Toxic to aquatic life with long lasting effects.

Additional information

Specific concentration limit (SCL):

Skin Corr. 1B, H314: $C \geq 3 \%$

Skin Irrit. 2, H315: $1 \% \leq C < 3 \%$

Eye. Irrit. 2, H319: $1 \% \leq C < 3 \%$

2.2 Label elements

Labeling (CLP)

Pictograms:



Signal word:

DANGER

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Hazard statements

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic 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.

Safety precautions

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with item 13.

2.3 Other hazards

After resorption: injuries of the internal organs liver, kidneys, heart.

Strong skin absorption as main danger of phenol poisoning at the workplace with paralysis of the central nervous system (with lethal consequences in severe cases) as well as liver and kidney damage.

PBT/vPvB Assessment

The product does not fulfil the PBT (persistent, bioaccumulative, toxic) or vPvB (very persistent, very bioaccumulative) criteria.

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Endocrine disruptor information

This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/Information on Ingredients**3.1 Substances**Chemical Characterisation

Phenol

CAS No: 108-95-2

EC No. (EINECS): 203-632-7

Index No.: 604-001-00-2

Harmonized System Code No.: 2907 11 00

REACH Registration No.: 01-2119471329-32-XXXX

Purity: 99.95 – 99.99 %

Formula: C₆H₅OH

Stabilizers: none

Dangerous contaminations: none

SECTION 4: First-aid measures**4.1 Description of first-aid measures**

First aider: Pay attention to self-protection!

Move victim to fresh air, put at rest and loosen restrictive clothing. Remove contaminated clothing. If victim is at risk of losing consciousness, position and transport on their side.

After inhalation

Provide for adequate fresh air. If breathing becomes irregular or ceases, apply artificial respiration immediately, where required supply oxygen. Immediately get medical attention.

After skin contact

Take off immediately all contaminated clothing. Immediately get medical attention.

In case of contact with the skin, immediately wash with polyethylene glycol. Then wash with water.

After eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently seek the immediate attention of an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Immediately get medical attention.

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4.2 Most important symptoms and effects, both acute and delayed

Strong skin absorption as main danger of phenol poisoning at the workplace with paralysis of the central nervous system (with lethal consequences in severe cases) as well as liver and kidney damage.

4.3 Indication of any immediate medical attention and special treatment needed

Symptoms, dangers: No specific antidote therapy for phenol poisoning is known. Therefore it is important to remove the phenol completely from the body surface and out of the body as quickly as possible, and in the case of inhalation prophylactic treatment to prevent pulmonary oedema is of great importance. Phenol causes strong caustic burns of the skin and mucous membranes due to its protein degenerating action. The skin initially discolours white, later red.

After initial pain, local anaesthesia appears. Absorptive poisoning by large amounts of phenol is possible also through small affected skin regions and quickly leads to paralysis of the central nervous system as well as strong depression of the body temperature. Inhaling phenol vapours can lead to damage of the bronchial system and pulmonary oedema. Systemic damage to kidneys, liver and heart as well as neuropsychiatric disturbances are produced.

Treatment: Thoroughly clean the wetted skin areas, if possible with polyethylene glycol (e.g. polyethylene glycol 300). In the case of eye contact, rinse copiously with water, in the case of burns rinse continuously with water as far as possible and take to an eye specialist or eye clinic. In the case of inhalation, to prevent pulmonary oedema, initiate inhalative cortisone therapy as early as possible (e.g. every 10 minutes 5 strokes of a cortisone containing aerosol dosing spray); administer codeine against dry coughing. In the case of commencing or manifested pulmonary oedema, systemic administration of cortisone. Caution: A low symptom or symptom-free interval is possible. If swallowed, gastric lavage after intubation, activated charcoal, saline laxative.

SECTION 5: Firefighting measures**5.1 Extinguishing media**Suitable extinguishing media

Extinguishing powder, carbon dioxide, alcohol resistant foam, water fog.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2 Special hazards arising from the substance or mixture

Combustible. Vapours are heavier than air and will spread at floor level.

In case of warming Development of explosive gases/vapours.

Hazardous vapours may form during fires.

In case of fire may be liberated: carbon monoxide and carbon dioxide.

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5.3 Advice for firefightersSpecial protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Do not expose to high temperature. Danger of bursting and explosion. Move container away or cool with water from a protected position. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Dispose of fire residuals and contaminated extinguishing water in accordance with the regulations of the local authorities. Heating leads to pressure increase. Water cooling for affected equipment.

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

Remove all sources of ignition. Keep upwind.

Do not breathe vapours. Do not breathe dust. Avoid contact with the substance.

Wear suitable protective clothing. Provide adequate ventilation.

Leaks may be repaired only with full protection (tightly closing chemical protection clothing, if necessary respirator equipment independent of the ambient air).

No smoking. Shut down cars, avoid ignition sources

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

Danger to drinking water when soaking into the soil or waters. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Allow the leaked product to solidify if this is possible without endangering people. Take up mechanically, place in appropriate containers for disposal.

Phenol, liquid: Collect spillage. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Final cleaning.

Collect the rinsing water when cleaning-down contaminated equipment and plant components (to prevent phenol from escaping into deep soil layers).

6.4 Reference to other sections

Not applicable

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

Always keep the workplace clean. Only keep such quantities at the workplace as absolutely necessary for the current work process.

Do not leave containers open. Use tightly sealed systems with air filtering equipment for filling and transferring the substance into other containers. Avoid spilling.

Fill only into marked containers. Use acid-resistant auxiliary equipment. Check the temperature during melting, open the cap and prevent from boiling over.

Avoid any contact when handling the product openly. Make sure that no product may enter the soil (steel basin). If possible, only transfer and handle in closed systems.

Avoid contact with skin, eyes, and clothing.

The material is to be handled with extreme caution.

Requires good ventilation.

Welding operations are permitted only under supervision.

Precautions against fire and explosion

Keep away from sources of ignition. No smoking.

7.2 Conditions for safe storage, including any incompatibilitiesStoreroom and container requirements

Only use steel or stainless-steel containers. Open containers cautiously. Provide for sufficient ventilation. Use exhaust system, if necessary. Never leave containers open. Store on product-resistant, protected surface. Heating the substance causes pressure increase, resulting in risk of bursting and explosion. Ventilate storage locations properly.

Advice for storage together with other products

Do not store together with food. Do not store together with: Solvent, aluminium, aldehydes, halogens, hydrogen peroxide, oxidizing agents, strong acids, strong bases, formaldehyde, nitrites, nitrates, halogenates, peroxide compounds

Do not store Phenol together with substances or mixtures of other storage classes.

Additional information

Reserved for professional and industrial use.

7.3 Specific end uses**For industrial use**

No.	Usage description
1	Manufacture, processing and distribution of substances and mixtures
2	Use in laboratories
3	Use in coatings
4	Use as binders and release agents

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5	Rubber production and processing
6	Polymer manufacturing
7	Polymer processing
8	Production and use of phenolic resins

For professional use

No.	Usage description
1	Use in laboratories
2	Use in coatings
3	Use as binders and release agents
4	Polymer manufacturing
5	Polymer processing
7	Production and use of phenolic resins

Exposure scenarios were prepared for the different uses. See Annex 1.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

All exposure relevant information (human health and environment) is summarised in Annex 1 to this material safety data sheet.

Workplace exposure limits

Type (country of origin)	Limit value
IOELV (EU)	TWA 8 mg/m ³ ; 2 ppm
IOELV (EU) STEL	16 mg/m ³ ; 4 ppm
AGW (DE)	7.8 mg/m ³ (2 ppm)
BGW (DE)	300 mg/l (urine)
WEL-TWA (GB)	2 ppm

DNEL/DMEL and PNEC parameters

DNEL/DMEL	Exposure path	Exposure frequency	Critical component
Workers industry/professional Consumer			
8 mg/m ³	dermal	long term	Phenol
1.23 mg/kg bw/day	inhalation	long term	

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Exposure path	PNEC
Water (freshwater)	0.0077 mg/l
Water (marine water)	0.00077 mg/l
Sediment (freshwater)	0.0915 mg/kg dwt
Sediment (marine water)	0.00915 mg/kg dwt
Soil	0.136 mg/kg dwt

8.2 Exposure controls

Execute works under fume hood. Do not inhale substance.
The substance should only be handled in closed apparatus or systems.
Process exhaust through separator/filter as needed.

Workplace exposure limits

All information for relevant exposure scenarios including operational conditions and risk management measures are listed in „Annex 1: Worker Exposure and Risk Assessment“

Suitable technical control devices*Respiratory protection*

Respiratory protection must be worn whenever the WEL levels have been exceeded.
Use filter type A (= against vapours of organic substances) according to EN 141 or ABEK/P3.

Hand protection

Protective gloves according to EN 374.

Glove material: Neoprene, PVC

Breakthrough time:

140 min (Neoprene)

75 min (PVC)

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection

Goggles (DIN EN 58211) or face protection shield.

Body protection

Wear suitable protective clothing. Material: PVC
safety shoes according to EN 345-347.

General protection and hygiene measures

Take off immediately all contaminated clothing.
When using do not eat, drink or smoke.
Have eye wash bottle or eye rinse ready at work place.

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Keep away from food, drink and animal feeding stuffs.
Preventive skin protection. Wash hands before breaks and immediately after handling the product. Then apply enough skin protecting cream.

Consumer exposure controls

See exposure scenarios in Annex 1.

Environmental exposure controls

See exposure scenarios in Annex 1.

SECTION 9: *Physical and chemical properties*

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid (>40.9 °C)
solid (<40.9 °C)
Colour: colourless (liquid)
white (solid)
Odour: pungent
Odour threshold: 0.022–22 mg/m³

Physical and chemical properties

Melting point:	40.9 °C
Initial boiling point:	181.8 °C (1013 hPa, DIN 510751)
Flammability:	hardly flammable
Lower explosion limit:	1.3 Vol%
Upper explosion limit:	9.0 Vol%
Flash point:	81 °C (1013 hPa; DIN EN ISO 2719)
Self-ignition temperature:	715 °C (1013 hPa)
Thermal decomposition:	no data available
pH:	4-5 (20°C, 10 g/l)
Kinematic viscosity:	no data available
Dynamic viscosity:	3.437 mPa*s (50°C)
Water solubility:	84 g/l (20°C) 87 g/l (25 °C) complete at 68°C
Partition coefficient n-octanol/water (log Kow):	1.47 (30°C)
Vapour pressure:	0.2 hPa (20 °C)
Density:	1.07 g/cm ³ (20 °C; DIN 51757) 1.13 g/cm ³ (25 °C; DIN 51757)
Relative vapour density (air):	no data available
Particle characteristics:	not applicable

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9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosion risk: non explosive

Oxidizing properties: none

9.2.2 Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions are known.

10.2 Chemical stability

hygroscopic

Unsuitable material: metals, rubber, various plastics, alloys.

10.3 Possibility of hazardous reactions

Exotherm reactions with oxydizing agents

10.4 Conditions to avoid

No decomposition when used properly.

It may react to form catechol, hydroquinone, etc. as a result of radical formation.

10.5 Incompatible materials

Oxidizing agents, aldehydes, isocyanates, nitrites, nitride, Fiedel-Craft catalysts.

Avoid ignitable vapour-air-mixtures.

10.6 Hazardous decomposition products

In case of fire (> 850 °C) may be liberated: carbon monoxide and carbon dioxide, lower olefins, condensed aromatics.

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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity

Toxicity	Effective dose	Species	Method	Remark
oral	LDLo 140 mg/kg bw	Human		
oral	LD50 340 mg/kg bw	Rat	OECD 401	Experimental determination
dermal	LD50 660 mg/kg	Rat	OECD 402	Experimental determination
by inhalation	LC50 > 900 mg/m ³ /8 h	Rat		Experimental determination

Specific symptoms

Strong skin absorption as main danger of phenol poisoning at the workplace with paralysis of the central nervous system (with lethal consequences in severe cases) as well as liver and kidney damage.

- After inhalation: Toxic. Danger of serious damage to health by prolonged exposure.
The following symptoms may occur:
Mucous membrane irritation, coughing, shortage of breath, damage of respiratory tract.
- After ingestion: Toxic. Danger of serious damage to health by prolonged exposure.
Specific target organ toxicity: Harmful effects are not known.
- After skin contact: Causes burns.
- After eye contact: Causes burns.

Skin corrosion/irritation

Causes burns.

Serious eye damage/irritation

Causes eye damage.

Respiratory or skin sensitisation

Not known to cause sensitization.

Germ cell mutagenicity

Muta. Cat. 2, H341: Possible risk of irreversible effects.

Bacterial mutagenicity: negative.

Chromosomal aberrations in-vitro: positive.

Micronucleus test: in-vitro: positive.

Gene-mutations mammalian cells in-vitro: positive.

Sister chromatid exchange in-vitro: positive.

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Micronucleus test: in-vivo: weak positive.

Carcinogenicity

Specific symptoms in animal testing: No carcinogenic effect.

Reproductive toxicity

Specific symptoms in animal testing: No reproductive hazards have been observed.

STOT SE

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

STOT RE

STOT RE 2, H373: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

No information available. See section 2.3

11.2.2. Other information

Data on non-human toxicity

Method:

Animal test/rat

Dose:

1.5-1,500 mg/kg bw. oral/6 h daily
25 ppm by inhalation

Administration:

oral/by inhalation

Results:

- Absorption: Respiratory tracts/bloodstream
- Distribution: Bloodstream
- Metabolism: Metabolisation through conjugated glucuronides
- Excretion/elimination: Urine

Data on human toxicity

Method:

humans (voluntary persons)

Dose:

0.01 mg/kg bw

Administration:

oral

Results:

- Absorption: Respiratory tracts
- Distribution: Bloodstream
- Metabolism: Metabolisation through different conjugated glucuronides
- Excretion/elimination: Urine

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SECTION 12: Ecological information

12.1 Toxicity

Acute exotoxicity

Aquatic toxicity	Species	Effective dose	Exposure time
Algae toxicity	Pseudokirchnerella subcapitata (freshwater, cell number)	EC50 61.1 mg/l	96 h
	Entomoneis cf punctulata (marine water, growth rate)	EC50 76 mg/l	72 h
Bacterial toxicity	Nitrosomonas sp	IC50 21 mg/l	24 h
Daphnia toxicity	Ceriodaphnia dubia	EC50 3.1 mg/l	48 h
Fish toxicity	Oncorhynchus mykiss	LC50 8.9 mg/l	96 h
Longterm fish toxicity	Cirrhina mrigala	NOEC 0.077 mg/l	60 d
Long term daphnia toxicity	Daphnia magna, growth	EC10 0.46 mg/l	16 d

Additional information

EC50 Lemna minor: 61.82 mg/l/7 d

LC50 Eisenia fetida: 401 mg/kg soil/14 d

EC50 Lactuca sativa: 79 mg/kg soil/14 d

EC10 Effects on soil microorganisms. 100 mg/kg soil/14 d

12.2 Persistence and degradability

Abiotic degradation

Air (Indirect photodegradation by reaction with OH radicals): Half-life time (DT50) approx. 14 d

Water: Not susceptible to hydrolysis.

Biodegradation

Activated sludge: 62 %/100 h, readily biodegradable (OECD 301C).

Activated sludge (anaerobic): 80.1 %/50 d, rapidly biodegradable under anaerobic conditions (ECETOC method).

Water: 86-96 %/20 d, easily bio-degradable (BOD-test APHA).

COD: 2.3 g/g

ThOD: 2.26 mg/l

12.3 Bioaccumulative potential

Significant bioaccumulation potential is not to be expected (log P(o/w) 1-3).

Bioconcentration factor (BCF) 17.5 (dimensionless – fish, Danio rerio)

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12.4 Mobility in soil

Soil sorption coefficient (Koc): 82.8 l/kg, at 20 °C (calculated based on the measured log Pow).
The soil sorption coefficient indicates a low sorption of phenol onto soil organic matter.

Volatilisation (20°C): $H = 0.022 \text{ Pa} \cdot \text{m}^3/\text{mol}$.

The calculated Henry's Law constant indicates a low to moderate volatility from aqueous solution.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Endocrine disrupting properties

No information available. See section 2.3

12.7 Other adverse effectsGeneral information

Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations**13. Waste treatment methods**

Product may be re-used after work-up.

Waste key number

For unused product: 070108*

For uncleaned packaging: 150110*

Disposal

Product and packaging waste must not be disposed of together with domestic waste. Do not allow to enter drains.

Disposal in accordance with applicable legal regulations observing national and regional regulations. Recycle product residues if possible, otherwise take to hazardous waste incineration.

SECTION 14: Transport information

	ADR / RID	IMDG
14.1 UN Number or ID Number	2312	2312
14.2 UN proper shipping name	PHENOL, GESCHMOLZEN	PHENOL, MOLTEN
14.3 Transport hazard classes	6.1	6.1

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14.4 Packaging group	II	II
14.5 Environmental hazards	Hazardous to the environment 	Environmentally hazardous 
14.6 Special precautions for the user	see remark	see remark
Additional information	Risk No.: 60 Tunnel restriction code: D/E	EmS: F-A, S-A

Remark

For reasons of product quality it is recommended to use steel or stainless steel containers for transport in road tankers and tank waggon. Aluminium and copper-alloy containers are unsuitable.

ICAO/IATA and ADN: Not tested.

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**National regulations – Germany

Make sure to comply with work restrictions pursuant to the Youth Employment Protection Act and the regulation on legal protection of working mothers (EC 92/85/EEC).

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Bau 3101 – Am Haupttor
D-06237 Leuna

Prepared

2010-11-24

Updated

2022-12-20

Rev.8

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Storage class (TRGS 510)

6.1C combustible substances of acute toxicity, category 3/hazardous substances that are toxic or produce chronic effects

Water hazard class (acc. to AwSV)

WHC 2 = obviously hazardous to water

TA Luft (Technical instructions on air quality control)

No. 5.2.5, class I and No. 5.2.6

Störfallverordnung (Industrial Emergencies Regulation)

Annex 1, List of Substances, column 1, No. 1.1.2 (H2, acute toxic, category 3, inhalative and oral route of exposure) and No. 1.3.2 (E2; aquatic hazardous, category chronic 2)

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other Information**Wording of H and P phrases (number and complete text)**

see Item 2

Training hints

Training according to TRGS 555.

Recommended restriction(s) for use

Only limited use in cosmetic preparations (soap, shampoo) in accordance with the Ordinance on Cosmetics is allowed.

See exposure scenarios in Annex 1.

Additional information

This material safety data sheet contains data in accordance with German legislation, e. g. indicated limit values.

The recipient alone is responsible for ascertaining the relevant national limit values.

The above details are based on our present status of know-how. The information is intended to describe our product in terms of safety requirements and thus shall not guarantee certain properties. It does not create a contractual legal relationship.

Further information (sources)

SAFETY DATA SHEET

Acc. to Regulation (EC) No. 1907/2006
and (EU) No. 2020/878 for

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e.g. DGUV 113-001, TRGS 727, TRGS 510, TRGS 900, TRGS 903, Römpf's Chemielexikon; 9. revision

Emergency telephone numbers (country specific)

Global/english speaking countries	+44 1865 407333
Country	Emergency telephone number
France	+33 1 72 11 00 03
Germany	+49 89 220 61012
	0800 000 7801 (toll-free, access from Germany only)
Spain	+34 91 114 2520
Italy	800 699 792 (toll-free)
Netherlands	+31 10 713 8195
Turkey	0800 621 2139 (toll-free)
Norway	+47 2103 4452
Greece	+30 21 1198 3182
Portugal	+351 30880 4750
Denmark	+45 8988 2286
Sweden	+46 8 566 42573
Poland	+48 22 307 3690
Czech Republic	+420 228 882 830
Finland	+358 9 7479 0199
Bahrain/Middle East	+973 1619 8321
Africa/South Africa	+27 21 300 2732
United States	+1 866 928 0789 (toll-free)
Canada	+1 800 579 7421 (toll-free)
United States and Canada	+1 202 464 2554
Mexico	+52 55 5004 8763
Brazil	+55 11 3197 5891
Chile	+56 2 2582 9336
Colombia	+57 1 508 7337
Argentina	+54 11 5984 3690
Sri Lanka	+65 3158 1195
Taiwan	+886 2 8793 3212
Japan	0120 015 230 (toll-free)
Indonesia	007 803 011 0293 (toll-free; access only from Indonesia)
Malaysia	+60 3 6207 4347
Thailand	001 800 120 666 751 (toll-free; access only from Thailand)
India	+65 3158 1198

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	000 800 100 7479 (toll-free; access only from India)
Pakistan	+65 3158 1329
Bangladesh	+65 3158 1200
Philippines	+63 2 8231 2149
Vietnam	+84 28 4458 2388
South Korea	+82 2 3479 8401
Singapore	+65 3165 2217
Australia	+61 2 8014 4558
	18000 74234 (toll-free; access only from Australia)
New Zealand	+64 9 929 1483
	0800 446 881 (toll-free; access only from New Zealand)

General revision

Revision according regulation (EC) 2020/878.

Data sources

REACH Registration Dossier and Stoffsicherheitsbericht Phenol.
Phenol & Derivate-REACH Consortium, 2010.