

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 25 Aug 2022

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product name:

3-Chlorophenol

#### 1.1. Catalog No.:

684760

#### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

#### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

#### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

### 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture  
Classification according to Regulation (EC) No 1272/2008  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects  
Acute Tox. 4 H302 Harmful if swallowed.  
Acute Tox. 4 H312 Harmful in contact with skin.  
Acute Tox. 4 H332 Harmful if inhaled.

#### 2.2. Label elements

##### 2.2.1. Pictogram



##### 2.2.2.

2.2 Label elements  
Labelling according to Regulation (EC) No 1272/2008  
The substance is classified and labelled according to the CLP regulation

Hazard pictograms  
Signal word Warning  
Hazard statements  
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.  
H411 Toxic to aquatic life with long lasting effects.  
Precautionary statements  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves / protective clothing.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P321 Specific treatment (see on this label).  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.  
2.3 Other hazards  
Results of PBT and vPvB assessment  
PBT: Not applicable.  
vPvB: Not applicable.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterisation: Substances  
CAS No. Description  
108-43-0 3-Chlorophenol  
Identification number(s) None  
EC number: 203-582-6  
Index number: 604-008-00-0  
RTECS: SK 2450000  
Additional information: For the wording of the listed hazard phrases refer to section 16

#### 3.1.1. Formula

C<sub>6</sub>H<sub>5</sub>ClO

#### 3.1.2. Molecular Weight (g/mol)

128.56

#### 3.1.3. CAS-No.

108-43-0

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient in recovery position for transport

Seek medical treatment.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing:

Rinse mouth. Do not induce vomiting.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

#### 5. FIRE-FIGHTING MEASURES

##### 5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable for surrounding conditions.

##### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

##### 5.3 Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Wear self-contained respiratory protective device.

#### 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Avoid formation of dust.

##### 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

##### 6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

##### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Ensure good ventilation extraction at the workplace.

Remove dust thoroughly.

Store in cool, dry place in tightly closed receptacles.

Information about fire and explosion protection: No special measures required.

#### 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Please refer to the manufacturers certificate for specific storage and transport temperature conditions.

Store only in the original receptacle unless other advice is given on the CoA.

Keep container in a well-ventilated place. Keep away from sources of ignition and heat.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Keep container tightly sealed.

#### 7.3 Specific end use(s) No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

#### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: Lists used were valid at the time of SDS preparation.

#### 8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

Protective gloves

Material of gloves Fluorocarbon rubber (Viton)

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid

Colour: Yellow

Odour: Phenol-like

Odour threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/freezing point: 33 °C

Initial boiling point and boiling range: 214 °C

Flash point: 112 °C

Flammability (solid, gas): Not determined.

Ignition temperature: 415 °C

Decomposition temperature: Not determined.  
Auto-ignition temperature: Not determined.  
Explosive properties: Not determined.  
Explosion limits:  
Lower: Not determined.  
Upper: Not determined.  
Vapour pressure at 20 °C: 0.23 hPa  
Density at 20 °C: 1.268 g/cm<sup>3</sup>  
Relative density Not determined.  
Vapour density Not applicable.  
Evaporation rate Not applicable.  
Solubility in / Miscibility with  
water at 20 °C: 26 g/l  
Partition coefficient: n-octanol/water: 2.5  
Viscosity:  
Dynamic: Not applicable.  
Kinematic: Not applicable.  
9.2 Other information No further relevant information available

## 10. STABILITY AND REACTIVITY

10.1 Reactivity Stable under normal conditions.  
10.2 Chemical stability Stable under normal conditions  
Thermal decomposition / conditions to be avoided:  
Formation of toxic gases is possible during heating or in case of fire.  
10.3 Possibility of hazardous reactions No dangerous reactions known.  
10.4 Conditions to avoid Heat.  
10.5 Incompatible materials: Strong oxidizing agents.  
10.6 Hazardous decomposition products:  
Formation of toxic gases is possible during heating or in case of fire.

## 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects  
Acute toxicity  
Harmful if swallowed, in contact with skin or if inhaled  
LD/LC50 values relevant for classification:  
Oral LD50 570 mg/kg (rat)  
LD 50 (Intraperitoneal) 355 mg/kg (rat)  
Primary irritant effect:  
Skin corrosion/irritation Based on available data, the classification criteria are not met.  
Serious eye damage/irritation Based on available data, the classification criteria are not met.  
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.  
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)  
Germ cell mutagenicity Based on available data, the classification criteria are not met.  
Carcinogenicity Based on available data, the classification criteria are not met.  
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 Based on available data, the classification criteria are not met.  
Aspiration hazard Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Aquatic toxicity:

EC50/96h 29 mg/l (Algae)

LC50/96 h 4.24 mg/l (fish)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes:

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

Uncleaned packaging:

Recommendation: Dispose of in accordance with national regulations.

## 14. TRANSPORT INFORMATION

### 14.1 UN-Number

ADR, IMDG, IATA UN2020

ADR 2020 CHLOROPHENOLS, SOLID, ENVIRONMENTALLY

HAZARDOUS

IMDG CHLOROPHENOLS, SOLID, MARINE POLLUTANT

IATA CHLOROPHENOLS, SOLID

### 14.3 Transport hazard class(es)

ADR, IMDG

Class 6.1 Toxic substances.

Label 6.1

IATA

Class 6.1 Toxic substances.

Label 6.1

### 14.4 Packing group

ADR, IMDG, IATA III

14.5 Environmental hazards: Environmentally hazardous substance, solid; Marine Pollutant

Marine pollutant: Symbol (fish and tree)

Special marking (ADR): Symbol (fish and tree)

14.6 Special precautions for user Warning: Toxic substances.

Danger code (Kemler): 60

EMS Number: F-A,S-A

Stowage Category A

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

Transport/Additional information:

**ADR**

Limited quantities (LQ) 5 kg  
Excepted quantities (EQ) Code: E1  
Maximum net quantity per inner packaging: 30 g  
Maximum net quantity per outer packaging: 1000 g  
Transport category 2  
Tunnel restriction code E  
UN "Model Regulation": UN 2020 CHLOROPHENOLS, SOLID, 6.1, III ,  
ENVIRONMENTALLY HAZARDOUS

**15. REGULATORY INFORMATION**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Directive 2012/18/EU  
Named dangerous substances - ANNEX I Substance is not listed.  
Seveso category E2 Hazardous to the Aquatic Environment  
Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t  
Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t  
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!