

Safety Data Sheet

017918/05

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<p>1. Identification of the substance/preparation and the company</p> <p>p-Chlorobenzoic acid pure dry and ground</p> <p>Bayer AG, CH-P Umweltschutz und Sicherheit D-51368 Leverkusen, Telephone: (0214) 307078 In case of emergency: (0214) 303030 (Werkfeuerwehr Bayer Leverkusen)</p>
<p>2. Composition/information on ingredients</p> <p>4-Chlorobenzic acid, CAS No.: 74-11-3</p>
<p>3. Hazards identification</p> <p>Hazard warning not required.</p>
<p>*4. First-aid measures</p> <p>GENERAL INFORMATION: Change contaminated clothing. FOLLOWING SKIN CONTACT: Wash skin immediately with plenty of water and soap. If skin reactions occur, contact a physician. FOLLOWING EYE CONTACT: Open the eyelids and rinse for an adequate length of time with water. Consult an eye specialist immediately. UPON INHALATION: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required. UPON SWALLOWING: Ensure that the patient drinks water. The mouth should be rinsed out several times. In any case consult a physician.</p> <p>INFORMATION FOR THE PHYSICIAN: See Chapter 11 for information on toxicology. Therapeutic measures: Basic aid, decontamination, symptomatic treatment.</p>
<p>*5. Fire-fighting measures</p> <p>Extinguishing media: All extinguishing materials are suitable.</p> <p>Firemen have to wear self-contained breathing apparatus. Fight fire in early stages if safe to do so. Containers at risk from fire should be cooled with water and, if possible, removed from the danger area. When extinguishing with water pay attention to caustic burns.</p>
<p>*6. Accidental release measures</p> <p>Take up avoiding formation of dust. Fill into labelled, sealable containers.</p> <p>Use the necessary personal protective equipment when handling.</p>
<p>*7. Handling and storage</p> <p>Store in original container.</p> <p>VCI storage class: 11</p> <p>Avoid the formation of dust, if necessary siphoning the product off locally. Vent waste air only via suitable separators or scrubbers.</p> <p>Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.</p>

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***8. Exposure controls/Personal protection**

Respiratory protection: In case of dust formation particle filter, e.g. DIN 3181 P 1
 Eye protection: goggles
 Hand protection: e.g. gloves of rubber or PVC

When handling observe the usual precautionary measures for chemicals. Avoid contact with skin and eyes and the inhalation of dust. Wash hands before breaks and at end of work. Keep working clothes separate.

***9. Physical and chemical properties**

tested in accordance with

Form: powder
 Colour: colourless
 Odour: nearly odourless
 Melting point: approx. 237 °C
 Boiling point: approx. 275 °C
 Density: approx. 1,54 g/cm³ at 24 °C
 Bulk density: approx. 350 kg/m³
 Vapour pressure: 0,00000186 mbar at 20 °C
 0,00000392 mbar at 25 °C
 0,000117 mbar at 50 °C
 Solubility in water: approx. 0,08 g/l at 25 °C
 pH value: approx. 4,3 in saturated aqueous solution
 Flash point: approx. 238 °C DIN 51758
 Ignition temperature: approx. 545 °C DIN 51794
 Combustibility: BZ 2 = brief ignition and rapid extinction.
 Class of dust explosion St 2: great danger of dust explosion Geigy test
 Further information: [1]

***10. Stability and reactivity**

Thermal decomposition: No exothermic reaction without air supply (decomposition) up to 240 °C No thermal decomposition when stored and handled correctly.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly. Formation of carbon monoxide, carbon dioxide, hydrogen chloride and other toxic gases in the event of fire or during thermal decomposition.

Hazardous reactions: No hazardous reaction when used as directed.

11. Toxicological information

Acute toxicity:
 LD₅₀ oral, rat: more than 5000 mg/kg

Irritation of the skin/rabbit (exposure 24 h): non-irritant

Irritation of the eyes/rabbit: non-irritant

***12. Ecological information**

Eliminability from water:

degradation	!	evaluation	!	method of test	!	method of analysis
-----	!	-----	!	-----	!	-----
above 70 %	!	good degradability	!	closed bottle test	!	BOD-
	!		!		!	determination

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Acute bacterial toxicity:

EC₀ on Pseudomonas fluorescens: 1000 mg/l

Acute fish toxicity:

LC₀ on Leuciscus idus: 500 mg/l. Duration of test: 72 hLC₅₀ on Leuciscus idus: 707 mg/l. Duration of test: 72 h

Water pollution class (WGK): 2 - impairment of water quality

WGK = Classification in accordance with the German Water Resources Act

Product contains organic halogen and may add to the AOX-value of the sewage.

***13. Disposal considerations**

Examine possibilities for re-utilization. Package product wastes. Close and label the waste receptacles and, likewise, any uncleaned empty containers. Dispose of them at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier.

***14. Transport information**

GGVSee/IMDG Code: -- UN No.: -- MFAG: -- EmS: --

PG: -- MPO: --

GGVE/GGVS: Class -- No. -- RID/ADR: Class -- No. --

ADNR: Class -- No. -- Cat -- ICAO/IATA-DGR: not restr.

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep dry. Keep separated from foodstuffs.

15. Regulatory information

No labelling is required in accordance with the EEC directives.

***16. Other information**

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.