

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: P-CHLORANIL
CAS#: 118-75-2
Synonym: Tetrachloro-p-benzoquinone
Chemical Name:
Chemical Formula: C₆Cl₄O₂

Composition and Information on Ingredients

Name	S.K.U	% by Weight	Hazardous
P-CHLORANIL	GCS-5264	100	Yes

Hazards Identification

Risk advice to man and the environment:

Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

First Aid Measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Fire and Explosion Data

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up:

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Handling and Storage

Handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

Exposure Controls/Personal Protection

Personal protective equipment

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection:

Safety glasses with side-shields conforming to EN166.

Skin and body protection:

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Physical and Chemical Properties

Appearance

Form crystalline

Colour dark yellow

Safety data

pH : no data available

Molecular Weight : 245.88 g/mole

Melting point : 295 - 296 °C

Boiling point : no data available

Flash point : no data available

Ignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Water solubility : no data available

Stability and Reactivity Data**Storage stability:**

Stable under recommended storage conditions.

Materials to avoid:

Strong oxidizing agents, Strong bases.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas.

Toxicological Information**Acute toxicity:**

LD50 Oral - rat - 4.000 mg/kg

LC50 Inhalation - rat - 4 h - 24,85 mg/l

Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Structural or functional change in trachea or bronchi. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

Irritation and corrosion: No data available.

Sensitisation: No data available.

Chronic exposure:

Carcinogenicity - mouse - Oral

Tumorigenic: Neoplastic by RTECS criteria. Liver: Tumors.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes eye irritation.

Ingestion May be harmful if swallowed.

Target Organs Liver,

Additional Information: RTECS: DK6825000.

Ecological Information

Elimination information (persistence and degradability): No Data Available.

Ecotoxicity effects:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 0,01 - 1 mg/l - 96 h.

Further information on ecology:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Disposal Considerations

Product:

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN N° : 3077

H.I. nr : 90

ADR - Class : 9

Labelling - Transport : 9 : Miscellaneous dangerous substances and articles Sea transport

ADR - Group : III

Sea transport (IMDG) [English only] :

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
UN N° : 3077

IMO-IMDG - Class or division : 9 : Miscellaneous dangerous substances and articles.

IMO-IMDG - Packing group : III

Air transport (ICAO-IATA) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
UN N° : 3077

IATA - Class or division : 9 : Miscellaneous dangerous substances and articles.

IATA - Packing group : III

Other Regulatory Information

Labelling according to EC Directives:

EC Label

Hazard

symbols

Xi Irritant

N

Dangerou

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environm

ent

phrase(s)

R

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S37 Wear suitable gloves.

S60 This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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