**OXFORD LAB FINE CHEM LLP**
ISO 9001-2008 Certified Company

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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

# p-HYDROXY DIPHENYL 98% (For Synthesis)
# (4-Phenyl Phenol)
## MSDS CAS: 92-69-3

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**
**Product Name: 4-Phenylphenol**
**CAS#: 92-69-3**
**Synonym:**
**Chemical Name: Not available.**
**Chemical Formula: $C_{12}H_{10}O$**
**Molecular Weight: 70.21g/mol**
**Brand: OXFORD**

**Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:** **OXFORD LAB FINE CHEM LLP**
**Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,**
**Navghar, Vasai (East). Palghar - 401 210.**
**Mumbai, Maharashtra, INDIA.**
**Tel: 91-250-2390989**
**Tel/Fax: 91-250-2390032**

## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| 4-Phenylphenol | 92-69-3 | 100 |

**Toxicological Data on Ingredients:** Not available.

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# Section 3: Hazards Identification

**Classification of the substance or mixture**
**Classification according to Regulation (EC) No 1272/2008**
**Skin irritation (Category 2), H315**
**Chronic aquatic toxicity (Category 2), H411**
**For the full text of the H-Statements mentioned in this Section, see Section 16.**
**Classification according to EU Directives 67/548/EEC or 1999/45/EC**
**Xi, N Irritant, Dangerous for the environment**
**R38, R51/53**
**For the full text of the R-phrases mentioned in this Section, see Section 16.**
**Other hazards - none**

# Section 4: First Aid Measures

**Description of 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**
**Flush eyes with water as a precaution.**

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

**Most important symptoms and effects, both acute and delayed**
**The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11**

**Indication of any immediate medical attention and special treatment needed** **No data available.**

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# Section 5: Fire and Explosion Data

**Extinguishing media**
**Suitable extinguishing media**
**Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**

**Special hazards arising from the substance or mixture**
**Carbon oxides**

**Advice for firefighters**
**Wear self -contained breathing apparatus for firefighting if necessary.**

**Further information**
**No data available.**

# Section 6: Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

**Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.**
**For personal protection see section 8.**

**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 and materials for containment and cleaning up**

**Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed Containers for disposal.**

**Reference to other sections**

**For disposal see section 13**.

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# Section 7: Handling and Storage

**Precautions for safe handling**
**Avoid contact with skin and eyes. Avoid formation of dust and aerosols.**
**Provide appropriate exhaust ventilation at places where dust is formed.**
**For precautions see section 2.2.**

**Conditions for safe storage, including any incompatibilities**
**Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**

**Specific end use(s)**
**Apart from the uses mentioned in section 1.2 no other specific uses are stipulated**

# Section 8: Exposure Controls/Personal Protection

**Control parameters**
**Components with workplace control parameters**
**Exposure controls**
**Appropriate engineering controls**
**Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.**
**Personal protective equipment**
**Eye/face protection**
**Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).**
**Skin protection**
**Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.**
**The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and The standard EN 374 derived from it.**
**Full contact**
**Material: Nitrile rubber**
**Minimum layer thickness: 0,11 mm**
**Break through time: 480 min**
**Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)**
**Splash contact**
**Material: Nitrile rubber**

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# Section 8: Exposure Controls/Personal Protection (continued)

**Minimum layer thickness: 0, 11 mm**
**Break through time: 480 min**
**Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)**
**Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,**
**Test method: EN374**

**If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must Be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.**

**Body Protection**

**impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.**

**Respiratory protection**

**For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher Level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards Such as NIOSH (US) or CEN (EU).**

**Control of environmental exposure**

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

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# Section 9: Physical and Chemical Properties

| | |
|---|---|
| **Physical state** | **: Solid** |
| **Colour** | **: White powder.** |
| **Odour** | **: No data available** |
| **Odour threshold** | **: No data available** |
| **pH** | **: No data available** |
| **Relative evaporation rate (butylacetate=1)** | **: No data available** |
| **Melting point** | **: 165 - 167** |
| **Freezing point** | **: No data available** |
| **Boiling point** | **: 321 °C** |
| **Flash point** | **: 160 °C** |
| **Auto-ignition temperature** | **: No data available** |
| **Decomposition temperature** | **: No data available** |
| **Flammability (solid, gas)** | **: No data available** |
| **Vapour pressure** | **: No data available** |
| **Relative vapour density at 20 °C** | **: No data available** |
| **Relative density** | **: No data available** |
| **Solubility** | **: No data available** |
| **Log Pow** | **: No data available** |
| **Viscosity, kinematic** | **: No data available** |
| **Viscosity, dynamic** | **: No data available** |
| **Explosive properties** | **: No data available** |
| **Oxidising properties** | **: No data available** |
| **Explosive limits** | **: No data available** |

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## Section 10: Stability and Reactivity Data

**Reactivity**
**No data available**

**Chemical stability**
**Stable under recommended storage conditions.**

**Possibility of hazardous reactions**
**No data available**

**Conditions to avoid**
**No data available**

**Incompatible materials**
**Strong oxidizing agents, Strong bases**

**Hazardous decomposition products**
**Other decomposition products - no data available**
**In the event of fire: see section 5**

## Section 11: Toxicological Information

**Information on toxicological effects**
**Acute toxicity**
**LD50 Oral - rat - > 5.000 mg/kg**
**Skin corrosion/irritation**
**Skin - rabbit**
**Result: Moderate skin irritation**
**Serious eye damage/eye irritation**
**Eyes - rabbit**
**Result: No eye irritation**
**Respiratory or skin sensitisation**
**No data available**
**Germ cell mutagenicity**
**No data available**

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# Section 11: Toxicological Information (continued)

**Carcinogenicity**
**Carcinogenicity - mouse - Subcutaneous**
**Tumorigenic: Carcinogenic by RTECS criteria. Blood: Tumors.**
**Carcinogenicity - mouse - Oral**
**Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration: Tumors.**
**Leukaemia**
**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.**
**Reproductive toxicity**
**No data available**
**Specific target organ toxicity - single exposure**
**No data available**
**Specific target organ toxicity - repeated exposure**
**No data available**
**Aspiration hazard**
**No data available**
**Additional Information**
**RTECS: DV5850000**
**To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated**.

# Section 12: Ecological Information

**Toxicity**
**Toxicity to daphnia and other aquatic Invertebrates**
**EC50 - Daphnia magna (Water flea) - 3,66 mg/l - 48 h**

**Persistence and degradability**
**Biodegradability Result: - According to the results of tests of biodegradability this product is not Readily biodegradable.**

**Bio accumulative potential**
**No data available**

# Section 12: Ecological Information (continued)

**Mobility in soil**
**no data available**

**Results of PBT and vPvB assessment**
**PBT/vPvB assessment not available as chemical safety assessment not required/not conducted**

**Other adverse effects**
**Toxic to aquatic life with long lasting effects**

# Section 13: Disposal Considerations

**Waste treatment methods**
**Product:**
**Offer surplus and non-recyclable solutions to a licensed disposal company. 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**

# Section 14: Transport Information

**Land transport (ADR-RID)**

**General information : Not regulated.**

**Sea transport (IMDG) [English only]**

**General information : Not regulated.**

**Air transport (ICAO-IATA) [English only]**

**General information : Not regulated.**

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## Section 15: Other Regulatory Information

**This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.**
**Safety, health and environmental regulations/legislation specific for the substance or mixture**
**No data available**

**Chemical Safety Assessment**
**For this product a chemical safety assessment was not carried out**

## Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

## *Disclaimer:*

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