

# Chemical Safety Data Sheet

## Section 1 IDENTIFICATION

**GHS Product identifier:** 2-Phenylphenol.

**Other means of identification:** /

**Recommended use of the chemical and restrictions on use:** This material can be used as mildew inhibitor, antistaling agent for fruits and vegetables and so on.

**Supplier's details:** /Jining Bangda Coai Chemical Co. , Ltd.

**Emergency phone number:** /0537-7288766

## Section 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2A

Specific target organ toxicity, single exposure; Respiratory tract irritation Category 3

Hazardous to the aquatic environment, acute hazard Category 1

**GHS Label elements, including precautionary statements:**



**Signal word:** Warning

**Hazard statement(s):** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life.

**Precautionary statement(s):**

Prevention:

Wash hands and eyes thoroughly after handling. Wear protective gloves/eye protection/face protection. Avoid breathing dust/fume. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

Response:

If on skin: Wash with plenty water. Specific treatment (See under for further information.). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Collect spillage.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to... in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification:** /

## Section 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
2-Phenylphenol	90-43-7	99.96%

## Section 4 FIRST AID MEASURES

**Description of necessary first aid measures**

**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 Ingestion:** Rinse mouth with water. Induce vomit. Consult a physician.

**Most important symptoms/effects, acute and delayed:** /

**Indication of immediate medical attention and special treatment needed, if necessary:** /

## Section 5 FIREFIGHTING MEASURES

**Suitable extinguishing media:** Use foam, chemical power or water.

**Special hazards arising from the chemical:** The material can burn in fire and high temperature and release toxic fumes.

**Special protective actions for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use water spray to cool unopened containers.

## Section 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**Environmental precautions:** Do not enter into spillage area. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Methods and materials for containment and cleaning up:** Contain spillage, and then collect in an clean container according to local regulations

## Section 7 HANDLING AND STORAGE

**Precautions for safe handling:** Wear protective gloves/eye protection/face protection/protective clothing. Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking.

**Conditions for safe storage, including any incompatibilities:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from flammable materials and oxidizer.

## Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:** /

**Appropriate engineering controls:** Local exhaust ventilation or a process enclosure ventilation system may be required.

**Individual protection measures**

**Eye/face protection:** Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

**Skin protection:** Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber. Impervious clothing,

**Respiratory protection:** Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

**Thermal hazards:** /

## Section 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, colour etc)</b>	White flake solid.
<b>Odour</b>	/
<b>Odour Threshold</b>	/
<b>pH</b>	/
<b>Melting point/freezing point</b>	56°C.
<b>Initial boiling point and boiling range</b>	282°C.
<b>Flash point</b>	123°C.
<b>Evaporation rate</b>	/
<b>Flammability (solid, gas)</b>	/
<b>Upper/lower flammability or explosive limits</b>	/
<b>Vapour pressure</b>	/
<b>Vapour density</b>	/
<b>Relative density</b>	1.213.
<b>Solubility(ies)</b>	0.7 g/L(20°C).
<b>Partition coefficient: n-octanol/water</b>	/
<b>Auto-ignition temperature</b>	/
<b>Decomposition temperature</b>	/
<b>Viscosity</b>	/

## Section 10 STABILITY AND REACTIVITY

**Reactivity:** /

**Chemical stability:** The material is stable in normal temperature.

**Possibility of hazardous reactions:** /

**Conditions to avoid:** Spark, high temperature and static electricity.

**Incompatible materials:** Oxidizer and flammable materials.

**Hazardous decomposition products:** CO and CO<sub>2</sub>.

## Section 11 TOXICOLOGICAL INFORMATION

**Information on the likely routes of exposure:** Inhaled, swallowed, skin, eyes.

**Symptoms related to the physical, chemical and toxicological characteristics:** /

**Acute health effects:** Accidental ingestion of the material may be harmful and cause cough and throat pain. Oral intake may cause headache, giddiness, vomit and other symptoms. This material may produce skin and eyes irritation.

**Chronic health effects:** The material may cause skin irritation after prolonged or repeated exposure and may produce redness, swelling, production of vesicles, scaling and thickening of the skin. The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

**Numerical measures of toxicity(such as acute toxicity estimates):**

TOXICITY	IRRITATION
Oral (rat) LD50:2000 mg/kg	Skin (rabbit):250 mg
	Skin (rabbit):20 mg/24h-Moderate
	Eye (rabbit):0.05 mg/24h SEVERE

## Section 12 ECOLOGICAL INFORMATION

<b>Toxicity:</b>	
Half-life Soil - High (hours)	168
Half-life Soil - Low (hours)	24
Half-life Air - High (hours)	22
Half-life Air - Low (hours)	0.1
Half-life Surface water - High (hours)	168
Half-life Surface water - Low (hours)	24
Half-life Ground water - High (hours)	336
Half-life Ground water - Low (hours)	48
Aqueous biodegradation - Aerobic - High (hours)	168
Aqueous biodegradation - Aerobic - Low (hours)	24
Aqueous biodegradation - Anaerobic - High (hours)	672
Aqueous biodegradation - Anaerobic - Low (hours)	96
Aqueous biodegradation - Removal secondary treatment - High (hours)	98%
Aqueous biodegradation - Removal secondary treatment - Low (hours)	50%
Photolysis maximum light absorption - High (nano-m)	284
Photooxidation half-life water - High (hours)	3840
Photooxidation half-life water - Low (hours)	66
Photooxidation half-life air - High (hours)	22
Photooxidation half-life air - Low (hours)	0.1
<b>Persistence and degradability:</b> Low.	
<b>Bioaccumulative potential:</b> Low.	
<b>Mobility in soil:</b> Low.	

<b>Other adverse effects:</b> /
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## Section 13 DISPOSAL CONSIDERATIONS

<b>Disposal methods:</b> Burial in a land-fill specifically licensed to accept chemical. Reuse of broken container is forbidden.
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## Section 14 TRANSPORT INFORMATION

<p><b>UN number:</b> 3077.</p> <p><b>UN proper shipping name:</b> ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.</p> <p><b>Transport hazard class(es) :</b> 9.</p> <p><b>Packing group, if applicable:</b> III.</p> <p><b>Environmental hazards:</b> Severe marine pollutant.</p> <p><b>Special precautions for user:</b> /</p>
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## Section 15 REGULATORY INFORMATION

<p><b>Regulations:</b> This safety data sheet is in compliance with the following national standards: GB 16483-2008, GB 13690-2009, GB/T 15098-2008, GB 18218-2009, GB 15258-2009, GB 6944-2012, GB 190-2009, GB 191-2009, GB 12268-2008, GA 57-1993, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation [Published by the Ministry of Railways, 2008], Dangerous Chemicals Safety Administrative Regulation [Published by the State Council, 2011].</p>
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## Section 16 OTHER INFORMATION

<b>References</b>	UN Recommendations on the Transport of Dangerous Goods Model Regulations UN Globally Harmonized System of Classification and Labelling of Chemicals
<b>Form Date</b>	1-July-2021

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available (such as boiling point does not exist for the solid) in the table with "/" logo.