

1,2,4-BENZENTRIL

Company Information

Sunchem Co.,Ltd.

Add: A-11F, 186 Yangtzi Middle Road, Yangzhou, China.

[Tel:+86 514 87851548](tel:+8651487851548)

Fax:+86 514 87872867

Email: info@sunchemgroup.com

Product Identification

【Product Name】

Hydroxyhydroquinone

【Synonyms】

1,2,4-Trihydroxybenzene

2,5-Dihydroxyphenol

2-Hydroxy-1,4-hydroquinone

4-Hydroxycatechol

Benzene-1,2,4-triol

Hydroxyhydroquinone

【CAS】

[533-73-3](#)

【Formula】

C₆H₆O₃

【Molecular Weight】

126.11

【EINECS】

208-575-1

【RTECS】

DC4200000

【RTECS Class】

Mutagen; Primary Irritant

【Merck】

13,1073

【Beilstein/Gmelin】

2042863

【Beilstein Reference】

4-06-00-07338

Physical and Chemical Properties

【Appearance】

Beige powder.

【Solubility in water】

Soluble

【Melting Point】

140

【Boiling Point】

362

【Vapor Pressure】

.00001

【Density】

1.45 g/cm³

【pKa/pKb】

9.58 (pKa)

【Partition Coefficient】

.06

【Heat Of Vaporization】

63.2 kJ/mol

【Heat Of Combustion】

-2655 kJ/mol

【Usage】

Substance is used in gas analysis.

【Vapor Density】

Negligible

【Refractive Index】

1.5445 (20 C)

First Aid Measures

【Ingestion】

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

【Inhalation】

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

【Skin】

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

【Eyes】

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Handling and Storage

【Storage】

Keep containers tightly closed. Do not expose to air. Store protected from light. Store in a cool, dry area away from incompatible substances.

【Handling】

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Use with adequate ventilation. Store protected from light. Store protected from air. Do not breathe dust.

Hazards Identification

【Inhalation】

Causes respiratory tract irritation. Can produce delayed pulmonary edema.

【Skin】

Causes skin irritation. Substance is readily absorbed through the skin.

【Eyes】

Causes eye irritation. May cause chemical conjunctivitis.

【Ingestion】

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

【EC Risk Phrase】

R 36/37/38

【EC Safety Phrase】

S 26 36

Exposure Controls/Personal Protection

【Personal Protection】

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves and clothing to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin.

【Respirators】

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

【Exposure Effects】

Effects may be delayed.

【Poison Class】

3

Fire Fighting Measures

【Flash Point】

193

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. To extinguish fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

Accidental Release Measures

【Small spills/leaks】

Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

Stability and Reactivity

【Incompatibilities】

Oxidizing agents, bases, acid chlorides, acid anhydrides, air, direct light.

【Stability】

Stable under normal temperatures and pressures. May discolor on exposure to air. Light sensitive.

【Decomposition】

Carbon monoxide, carbon dioxide, acrid smoke and fumes.