



## Safety Data Sheet

### DAWN SCIENTIFIC

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**1. PRODUCT ID:** Syn: 3,3-Bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone **CAS No.:** 77-09-8  
**E-C No.:** 201-004-7 **Weight:** 318.32g/mol **Formula:** C<sub>20</sub>H<sub>14</sub>O<sub>4</sub>

**2. HAZARDS ID: GHS Classification:** Reproductive toxicity (Category 2) Germ cell mutagenicity (Category 2) Carcinogenicity (Category 1B) Acute Aquatic hazard (Cat.2)

**Pictogram:**



**Signal Word:** DANGER

**Hazard Statement(s):** H341: Suspected of causing genetic effects. H361: Suspected of damaging fertility or the unborn child. H350: May cause cancer. H401: Toxic to aquatic life.

**Hazard Statement(s):** Precautionary Statement:

**Precautionary Statement:** P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P273: Avoid release into the environment. P405: Store locked up. P280: Use protective gloves/eye & face protection. P308 + P313: If exposed or concerned: contact doctor/physician. P501: Dispose of contents/container to an approved waste disposal plant.

**HMIS Classification:** Health hazard 0, Flammability 0, Physical hazards 0

**NFPA Rating:** Health hazard 0, Fire 0, Reactivity hazard 0

**Potential Effects:** **Eye:** Risk of serious damage to eyes. **Skin:** Harmful in contact with skin.

**Ingestion:** Harmful if swallowed. **Inhalation:** Harmful by inhalation.

### 3. COMPOSITION / INFO ON INGREDIENTS:

Chemical	CAS No.	Percent
Phenolphthalein	77-09-8	100%

**4. FIRST AID:** **Eyes:** rinse with plenty of water as precaution. **Skin:** Rinse with plenty of soap & water and seek medical advice. **Ingestion:** Do not induce vomiting without medical advice. Rinse with water. Consult physician. **Inhalation:** Move to fresh air. Consult a physician. **Physician:** Treat symptomatically and supportively.

**5. FIRE FIGHTING: Info:** wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH & full PPE. Irritating & highly toxic gases may be generated by thermal decomp/combustion. **Hazards:** Carbon oxides. **Extinguishing:** Use water spray, dry chem powder, Carbon dioxide, or alcohol-resistant foam.

**6. ACCIDENTAL RELEASE: Info:** Use proper PPE as specified in Section 8. **Spills:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the PPE section. Avoid generating dusty conditions. Provide ventilation.

**7. HANDLING & STORAGE: Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. **Storage:** Store in a tightly close container, store in a cool, dry, ventilated area.

**8. EXPOSURE:** Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical	ACGIH	NIOSH	OSHA-Final / Vacated PEL's
Phenolphthalein	None listed	None listed	None listed

**PPE: 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 to prevent skin exposure. 0.11mm thick nitrile. **Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirators when necessary.

**9. PHYSICAL & CHEM: Appearance:** White to off white crystals. **Odor:** Odorless. **Melting Pt:** 261-263°C (502-505°F) **Boiling Pt.:** >450°C **Vapor pressure:** <0.0000001hPa at 20°C **Relative Density:** 1.296 g/cm<sup>3</sup> at 20°C, **Solubility:** 0.00336 g/l at 20°C, **Partition coefficient n-octanol water:** low Pow 0.9 at 25°C, **Auto-ignition Temp:** 397°C **Surface tension:** 71.8 m/Nm at 20°C

**10. STABILITY & REACTIVITY: Stability:** Stable under ordinary conditions of use and storage. **Avoid:** Incompatibles. **Incompatibilities:** Strong oxidizing agents. **Haz Decomp:** see section 5

**11. TOXICOLOGICAL INFO: RTECS:** SM8380000 **LD50/LC50:** No info. **Carcinogenicity:** Rat oral, mouse, oral - Not listed by ACGIH, NIOSH, NTP, or OSHA. IARC Group 2B- not classified carcinogenicity to humans. (Phenolphthalein) **Mutagenicity:** cytogenic analysis hamster ovary. **Other Studies:** Stomach irregularities .

**12. ECOLOGICAL INFO: Fate/Toxicity:** No information found.

**13. DISPOSAL CONSIDERATIONS:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed **RCRA U-Series:** None listed.

**14. TRANSPORT REGULATIONS:** Not dangerous goods

**15. REGULATORY INFO: SARA 311/312:** Chronic Health Hazard

**SARA Section 302 Extremely Haz.** None of the chemicals in this product have TPQ/RQ.

**Section 313** No chemicals are reportable under Section 313.

**STATE** CAS#77-09-8: is not present on state lists from CA, MN, MA, FL.

**Pa & NJ Right to Know:** CAS# 77-09-8: Phenolphthalein Rev. 3/1/07

California Prop.65 components: **WARNING:** This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm .

**EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives**

**Hazardous Symbols:** Not available **WGK (Water Danger/Protection)** CAS#77-09-8: No information available.

**Canada – DSL/NDSL** CAS#77-09-8 is listed on Canada’s DSL List.

CAS#77-09-8 is not listed on Canada’s NDSL List.

**Canada – WHMIS:** Is not available. CAS#77-09-8 is not listed on Canada’s Ingredient Disclosure List.

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