Safety Data Sheet

Date of Issue: 16.01.2026 Date of Expiry: 16.01.2031

1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name : **ECP Limited**
Address : PO Box 34125, Birkenhead, Auckland 0746
Telephone : +64 9 480 4386
Emergency phone number : 0800 243 622 (24 hours)

Product Name	**Phenolphthalein**
Product Code	40408
CAS No.	77-09-8

Recommended use : Laboratory Investigations

2: Hazard's identification

2.1 GHS Classification
Skin irritation (Category 2), H315
Germ cell mutagenicity (Category 2), H341
Carcinogenicity (Category 1B), H350
Toxic to Reproduction (Category 2), H361

2.2 GHS Label elements, including precautionary statements
Pictogram



Signal word : Danger

Hazard statement(s)
H315 Causes skin irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
H361 Suspected of damaging fertility or the unborn child.

Precautionary statement(s)
P201 Obtain special instructions before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

Restricted to professional users.

3: Composition/information on ingredients

3.1 Substances
Synonyms : 3,3-Bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone
Formula : C20H14O4
Molecular weight : 318.32 g/mol
CAS-No. : 77-09-8
EC-No. : 201-004-7
Index-No. : 604-076-00-1

4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact
Gently wash with plenty of soap and water.

First-aid measures after eye contact
Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

First-aid measures after ingestion
Rinse mouth out with water. If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries
Suspected of causing genetic defects.

Chronic symptoms
Suspected of damaging the unborn child. May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
ABC-powder , Carbon dioxide (CO2). Dry sand , Nitrogen

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Combustible
Fire may produce irritating, corrosive and/or toxic gases.
In case of fire may be liberated:
Carbon monoxide
Carbon dioxide (CO2).

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
Special protective equipment for firefighters:
Wear a self-contained breathing apparatus and chemical protective clothing.
Co-ordinate fire-fighting measures to the fire surroundings.
In case of fire: Evacuate area.

6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel
Emergency procedures
Evacuate unnecessary personnel.

For emergency responders
Protective equipment
Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency procedures
Stop release.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up : Clean up immediately by sweeping or vacuum.

6.4. Reference to other sections
Personal protection equipment: see section 8 Disposal information: see section 13

7: Handling and storage

7.1. Precautions for safe handling
Do not get in eyes, on skin, or on clothing.

Hygiene measures
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities
Recommended storage temperature
15°C – 25°C or 30°C depending on climatic conditions.

Storage class
6.1A

Storage
Keep container tightly closed and in a well-ventilated place. Keep/Store only in original container. Suitable container/equipment material: Glass Polyethylene (PE) .

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

8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 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

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection

Other information
Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.

9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Molecular mass	:	318.33 g/mol
Colour	:	White powder.
Odour	:	odourless.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate	:	No data available
Melting point	:	261 - 263
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
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
Density	:	1.299 g/cm³
Solubility	:	Water: Slightly soluble in water
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
Refraction index	:	1.57 (589 nm; 7.9 °C)

10: Stability and reactivity

10.1 Reactivity
This material is non-reactive under normal conditions.

10.2 Chemical stability
The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions
Violent reactions possible with:
Strong oxidizing agents

10.4 Conditions to avoid
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
In the event of fire: see section 5

11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Suspected of causing genetic defects.
Carcinogenicity	:	May cause cancer.
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child.
STOT (single exposure)	:	Not classified
STOT (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
No additional information available

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects
No additional information available

13: Disposal considerations

13.1 Waste treatment methods
Product
Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14: Transport Information Table

		ADR/RID – Land	IMDG- Sea	IATA – DGR- Air
14.1	UN Number	-	-	-
14.2	UN Proper Shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3	Transport	-	-	-

	Hazard Class			
14.4	**Packaging group**	-	-	-
14.5	**Environmental Hazards**	No	No	No
14.6	**Special precautions for user**	-		
14.7	**Incompatible materials**	Strong oxidizing agents		

Not classified as dangerous in the meaning of transport regulations.

15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National regulatory information
HSNO Group Standard Approval: HSR002596 - Laboratory Chemicals and Reagent Kits Group Standard 2006
Tracking Required: not required
Approved Handler Cert.: not required

16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

****END*******END*******END*******END*******END****