

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifiers**Product name: **PHENOLPHTHALEIN pH Indicator**CAS-No.: **77-09-8**Product Number: **A70038****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Philip Harris Ltd., 2 Gregory Street, Hyde, Cheshire, SK14 4HR,

UNITED KINGDOM

Telephone: +44 (0)845 1200 506 Fax: +44 (0)161 367 2140

Email: enquiries@philipharris.co.uk

1.4 Emergency telephone numberEmergency Phone #: **+44 (0)845 1200 506****2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****According to Regulation (EC) No1272/2008;** Germ cell mutagenicity (Category 2), Carcinogenicity (Category 1B), Reproductive toxicity (Category 2).**According to European Directive 67/548/EEC as amended:** May cause cancer. Possible risk of impaired fertility. Possible risk of irreversible effects.**2.2 Label elements**

Pictogram



Signal word

Danger

Hazard statement(s): 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. P281 Use personal protective equipment as required. P308 + P313 IF exposed or concerned: Get medical advice/attention.**Hazard symbol(s):**

R-phrases(s): R45 May cause cancer. R62 Possible risk of impaired fertility. R68 Possible risk of irreversible effects.

S-phrases(s): S53 Avoid exposure - obtain special instructions before use. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Restricted to professional users.

2.3 Other hazards – no data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Phenolphthalein (Synonyms : 3,3-Bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone)

Formula: **C₂₀H₁₄O₄**

Molecular Weight: **318.32**

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

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.

In case of skin contact: Wash off with soap and plenty of water.

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.

4.2 Most important symptoms and effects, both acute and delayed: no data available

4.3 Indication of immediate medical attention and special treatment needed: no data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture: no data available

5.3 Precautions for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information: no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

c) Odour Threshold:	no data available	
d) pH:	no data available	
e) Melting/freezing point:	261 - 263 °C	Melting point/range: no data available
f) Initial boiling point and boiling range:	no data available	
g) Flash point:	no data available	
h) Evaporation rate:	no data available	
i) Flammability (solid, gas):	no data available	
j) Upper/lower flammability or explosive limits:	no data available	
k) Vapour pressure:	no data available	
l) Vapour density:	no data available	
m) Relative density:	no data available	
n) Water solubility:	no data available	
o) Partition coefficient: n-octanol/water:	no data available	
p) Autoignition temperature:	no data available	
q) Decomposition temperature:	no data available	
r) Viscosity:	no data available	
s) Explosive properties:	no data available	
t) Oxidizing properties:	no data available	
9.2 Other safety information:	no data available	

10. STABILITY AND REACTIVITY

10.1 Reactivity: no data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: no data available

10.4 Conditions to avoid: no data available

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: formed under fire conditions. - Carbon oxides

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: In vitro tests showed mutagenic effects

Genotoxicity in vitro - Hamster – ovary Cytogenetic analysis

Genotoxicity in vivo - mouse – Oral Micronucleus test

Carcinogenicity: Carcinogenicity - rat – Oral. Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Endocrine: Adrenal cortex tumours.

Carcinogenicity - mouse – Oral. Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumours. Skin and Appendages: Other: Tumours.

Possible human carcinogen; IARC: 2B - Group 2B: Possibly carcinogenic to humans (Phenolphthalein)

Reproductive toxicity: Suspected human reproductive toxicant

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure: no data available

Additional Information: RTECS: SM8380000

12. ECOLOGICAL INFORMATION

12.1 Toxicity: no data available

12.2 Persistence and degradability: no data available

12.3 Bioaccumulative potential: no data available

12.4 Mobility in soil: no data available

12.5 Results of PBT and vPvB assessment: no data available

12.6 Other adverse effects: no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. 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.

14. TRANSPORT INFORMATION

14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for users

no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

15.2 Chemical Safety Assessment: no data available

16. OTHER INFORMATION

Carc. Carcinogenicity

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child.

Muta. Germ cell mutagenicity

Repr. Reproductive toxicity

T Toxic

R45 May cause cancer.

R62 Possible risk of impaired fertility.

R68 Possible risk of irreversible effects.

Repr.Cat.3 Toxic to Reproduction Category 3