

Material Safety Data Sheet



p-BENZOQUINONE FOR SYNTHESIS

VERSION : 02
DATE OF ISSUE : 26-08-2019
SUPERSEDES : 01

Product Code : 12731

Page 1 of 8

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : p-BENZOQUINONE FOR SYNTHESIS

Product code : 12731

Identification of the product : p-Benzoquinone

CAS No : 106-51-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : info@molychem.net

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503

1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm).

2. Hazards identification -DSD

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Inhalation (Category 3), H331

Acute toxicity, Oral (Category 3), H301

Eye irritation (Category 2), H319

Specific target organ toxicity - single exposure (Category 3), H335

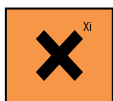
Skin irritation (Category 2), H315

Acute aquatic toxicity (Category 1), H400

Classification according to EU Directives 67/548/EEC or 1999/45/EC

T Toxic R23/25

Xi Irritant R36/37/38



N Dangerous for the environment R50

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008

Hazard pictograms

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VERSION : 02

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SUPERSEDES : 01

Product Code : 12731

Page 2 of 8



Signal word : Danger

Hazard statement(s)

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P273 Avoid release to the environment.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P311 Call a POISON CENTER or doctor/ physician. Supplemental Hazard Statements n

2.3 Other hazards

None

3. Composition/information on ingredients

Substance / Preparation : p-Benzoquinone

CAS No : 106-51-4

Substance.

Contains no other components or impurities which will influence the classification of the product.

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. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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Material Safety Data Sheet	
p-BENZOQUINONE FOR SYNTHESIS	VERSION : 02 DATE OF ISSUE : 26-08-2019 SUPERSEDES : 01
Product Code : 12731	Page 3 of 8

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2)

4.3 Indication of any 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

Carbon oxides

5.3 Advice for firefighters 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

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage

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p-BENZOQUINONE FOR SYNTHESIS

VERSION : 02

DATE OF ISSUE : 26-08-2019

SUPERSEDES : 01

Product Code : 12731

Page 4 of 8

Including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Exposure to moisture.

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

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Odour : no data available

Odour Threshold : no data available

pH: no data available

Melting point/freezing point Melting point/range: 113 - 115 °C - lit.

Initial boiling point and boiling range : no data available

Flash point : no data available

Evapouration rate : no data available

Flammability (solid, gas) : no data available

Upper/lower flammability or explosive limits : no data available

Vapour pressure : 0,1 hPa at 25 °C

Vapour density : 4,33

Relative density : no data available

Water solubility : no data available

Partition coefficient: noctanol/water : log Pow: 0,2

Auto-ignition temperature : no data available

Decomposition temperature: 243 °C –

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Material Safety Data Sheet	
p-BENZOQUINONE FOR SYNTHESIS	VERSION : 02 DATE OF ISSUE : 26-08-2019 SUPERSEDES : 01
Product Code : 12731	Page 5 of 8

Viscosity: no data available

Explosive properties : no data available

Oxidizing properties : no data available

9.2. Other information

Surface tension : 32,58 mN/m at 112 °C

Relative vapour density : 4,33

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

Reacts violently with:, Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available In the event of fire: see section

11. Toxicological information

11.1 Information on toxicological effects

11.1. Information on toxicological effects

Acute toxicity

• **Inhalation :** Based on available data, the classification criteria are not met.

• **Dermal :** Based on available data, the classification criteria are not met.

• **Ingestion :** Based on available data, the classification criteria are not met.

Corrosion : Based on available data, the classification criteria are not met.

Irritation : Causes serious eye irritation.

Repeated exposure may cause skin dryness or cracking.

Sensitization : Based on available data, the classification criteria are not met.

Mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : - May cause respiratory irritation.

STOT-repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

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DATE OF ISSUE : 26-08-2019

SUPERSEDES : 01

Product Code : 12731

Page 6 of 8

12. Ecological information

12.1 Toxicity

Toxicity information : Not established.

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 PBT/vPvB assessment

not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

Very toxic to aquatic life.

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: 2587 IMDG: 2587 IATA: 2587

14.2 UN proper shipping name

ADR/RID: BENZOQUINONE

IMDG: BENZOQUINONE

IATA: Benzoquinone

14.3 Transport hazard class(es)

ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

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

14.6 Special precautions for user

No data available

15. Regulatory information

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SUPERSEDES : 01

Product Code : 12731

Page 7 of 8

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

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End of document

Prepared by: MOLYCHEM (INDIA)

For questions contact: MOLYCHEM

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p-BENZOQUINONE FOR SYNTHESIS	VERSION : 02 DATE OF ISSUE : 26-08-2019 SUPERSEDES : 01
Product Code : 12731	Page 8 of 8

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