

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0**1. Identification**

Product Code : 93079
Company Name : Advent Chembio Private Limited
Address : W-288, MIDC, TTC INDUSTRIAL AREA, THANE-BELAPUR ROAD, RABALE, NAVI MUMBAI - 400 701.
E-mail : info@adventchembio.com
WEBSITE : www.adventchembio.com
Company Phone Number : 022-27690837

2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 3
Acute toxicity, Inhalation : Category 3
Skin irritation : Category 2
Eye irritation : Category 2
Specific target organ toxicity - single exposure : Category 3
Chronic aquatic toxicity : Category 1

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : Toxic if swallowed or if inhaled
Causes skin irritation.
Causes serious eye irritation.

May cause respiratory irritation.

Very toxic to aquatic life with long lasting effects.

Precautionary statement : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

Avoid release to the environment.

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.

IF INHALED: Remove person to fresh air and keep comfortable for

breathing. Call a POISON CENTER/doctor.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/ container to an approved waste disposal

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0

plant.

3. Composition/information on ingredients

Ingredient	: Quinone
CAS No.	: 106-51-4
Percent	: NLT 98.0%
Formula	: C ₆ H ₄ O ₂
Molecular Weight	: 108.09 g/mol

4. First Aid Measures**Description of first aid measures**

General advice	: Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact	: Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Swallowed	: Get medical advice/attention if you feel unwell. Rinse mouth.
Most important symptoms and effects, both acute and delayed	: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	: No data available
Treatment	

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	: Carbon oxides
Advice for firefighters	: Wear self contained breathing apparatus for firefighting if

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0

necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions** : Do not let product enter drains.
- 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.

7. Handling and storage

- 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.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Moisture sensitive.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
- Personal protective equipment**
- Respiratory protection : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

- Appearance** : Yellow, beige to green color powder.
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : 113 - 115 °C - lit.
- Initial boiling point and boiling range** : No data available
- Flash Point** : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0

Vapor pressure : No data available
Vapor density : No data available
Relative density : No data available
Solubility in water : No data available
Solubility (other) : No data available

10. Stability and Reactivity

Reactivity : No data available
Chemical stability : Stable under recommended storage conditions.
Possibility of hazardous reactions : No data available
Conditions to avoid : Avoid moisture.
Incompatible materials : Reacts violently with:, Strong oxidizing agents
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions. - Carbon oxides

11. Toxicological Information**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 : No data available
Carcinogenicity
IARC : No data available
NTP : No data available
OSHA : No data available
Reproductive toxicity : No data available
Route of Exposure : No data available
Signs and Symptoms of Exposure : No data available

12. Ecological Information

Toxicity : No data available

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0

Persistence and degradability : No data available
Bioaccumulative potential : No data available
Mobility in soil : No data available.
Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging : Dispose of as unused product.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	2587	BENZOQUINONE	6.1	II	NO
IMDG	2587	BENZOQUINONE	6.1	II	NO
IATA	2587	BENZOQUINONE	6.1	II	NO

15. Regulatory Information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :**12/01/2017**Version** : 0

Disclaimer: This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. ADVENT CHEMBIO PRIVATE LIMITED makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. The data should not be confused with local, state, federal or insurance mandates, regulations, or requirements and CONSTITUTE NO WARRANTY. Any use of this data and information must be determined by the technical instructor in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond the control of ADVENT CHEMBIO PRIVATE LIMITED and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY

MATERIAL SAFETY DATA SHEET**Product Name:** 1,4-Benzoquinone**CAS No.:** 106-51-4**Version:** 0

AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).