

Material Safety Data Sheet

According to GB16483-2000 General rules for preparation of chemical safety data sheet

Hydroquinone bis(2-hydroxyethyl)ether

1. Identification of the Substance/Preparation and the Company/Undertaking

Chinese Name 对苯二酚二羟乙基醚(氢醌-双(β-羟乙基)醚)
English Name Hydroquinone bis (2-hydroxyethyl)ether
Producer Yantai Longt New-material Technology co., LTD
No.12 Chunhui Rd Laishan District, Yantai City Shandong Province, China
Phone Number 0535-6250028
Fax Number 0535-6250052

2. Composition / Information on Ingredients

Pure Material **Mixture**

Product name	Hydroquinone bis (2-hydroxyethyl)ether		
Hazardous Material		Content	CAS Number
Hydroquinone-di-beta-hydroxyethyl ether		≥98%	104-38-1

3. Hazards Identification

Path of invasion

Irritating to eyes and skin

4. First Aid Measures

Swallowing

Do not induce vomiting. Rinse mouth with water. Obtain medical attention.

Inhalation

Remove to fresh air. Obtain medical attention.

Skin contact

Remove contaminated clothing. Wash thoroughly with warm water using a mild soap. Obtain medical attention if irritation persists.

Eye contact

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if irritation persists

Material Safety Data Sheet

According to GB16483-2000 General rules for preparation of chemical safety data sheet

5. Fire-Fighting Measures

Flash point: 435 °F 224 °C

Flammable limits

Lower limit: Not available

Upper limit: Not available

Autoignition temperature: 468 °C

Hazardous combustion products

Irritating fumes.

Oxides of carbon.

Oxides of nitrogen.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.

Self-contained breathing apparatus.

Extinguishing media

Suitable: - CO₂

- dry powder

- foam

- water fog

Unsuitable: - water spray

6. Accidental Release Measures

Personal precautions

Wear suitable protective equipment., Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

Avoid dust formation.

7. Operational Handling and storage

Handling precautions

Do not get in eyes, on skin, on clothing.

STORAGE

Storage requirements

Store in a cool, dry place

Material Safety Data Sheet

According to GB16483-2000 General rules for preparation of chemical safety data sheet

8. Exposure Controls / Personal Protection

Exposure limit(s)

No other exposure limits have been established in China

PERSONAL PROTECTION

Respiratory protection

A respirator approved for dust/fume or mist protection is recommended for mists, sprays or aerosols., The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

ENGINEERING CONTROLS

Ventilation

Local ventilation is needed in the presence of airborne mists, sprays or aerosols and/or high vapor concentrations.

9. Physical and Chemical Properties

APPEARANCE

Physical state white solid powder

Color White

Odor Faint

Odor threshold Not available

OTHER PROPERTIES

Boiling point 190 °C

Not available

Melting point Not available

Solidification Not available

pH Not available

Specific gravity (H₂O=1) Not available

Vapor pressure < 0.01 hPa < at 25 °C

Solubility in water < 1 %

Solubility in organic solvents No data available.

Evaporation rate (Butyl Acetate=1)

Not available

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Material Safety Data Sheet

According to GB16483-2000 General rules for preparation of chemical safety data sheet

Upper explosion limits Not available

Lower explosion limits Not available

Percent volatiles Not available

Molecular weight 198.2

10. Stability and Reactivity

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.

Strong acids.

Strong bases.

Hazardous combustion products:

Irritating fumes.

Oxides of carbon.

Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. Toxicological Information

SWALLOWING

Test results

Acute toxicity: LD50 Rat

Result: > 3,200 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Guinea pigs

Result: > 2,000 mg/kg

SKIN CONTACT

Test results

Skin irritation: Result: Slightly irritating

EYE CONTACT

Test results

Eye irritation: Result: Slightly irritating

12. Ecological Information

Biodegradation: Remark: Readily biodegradable.

AQUATIC TOXICITY

Acute toxicity fish: - LC50 -

Result: > 1,043.7 mg/l

Exposure time: 96 h

Acute toxicity to aquatic

Material Safety Data Sheet

According to GB16483-2000 General rules for preparation of chemical safety data sheet

invertebrates:

- EC50 - Water flea (Daphnia magna)

Result: >

invertebrates: Result: > 100.2 mg/l

Exposure time: 48 h

13. Disposal Considerations

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Avoid discharge to sewers and natural waters.

Non-cleaned packages

Empty drums should be decontaminated and either passed to an approved drum reconditioner or destroyed., Containers that cannot be cleaned must be treated as waste.

14. Transport Information

Dangerous goods number :	Free
UN number :	N/A
Packing marking :	Free
Transport notice :	noisture provention, rain provention

15. Regulatory Information

《Statutes for dangerous goods of chemical safety management》
(which is released by state Department On Feb 17 , 1987)

16. Other Information

Issued Date:	Oct 31, 2018
Department:	Quality Department
Assessor :	General manager