


Safety Data Sheets

Revision Date: 04-Aug.-2016

Section 1. Identification of substance

Product Name : 2,6-di-tert-butylphenol (2,6-DTBP)
Synonyms: 2,6-bis(1,1-dimethylethyl)phenol, dibutylphenol, 2,6-bis(tert-butyl)phenol, and 2,6-di(1,1-dimethylethyl)phenol,
CAS No.: 128-39-2
Chemical Formula: C ₁₄ H ₂₂ O
Manufacturer/Supplier : EXCEL CHEMICAL CORPORATION
Emergency Telephone Numbers : +886-07-6411122 /FAX : +886-07-6411125
e-mail: kc-lai@tascogroup.com.tw
Address : 25-9A MORRISON PLAZA.SEC. 4 JEN-AI RD. TAIPEI, TAIWAN 10649, R.O.C.

Section 2. Hazards identification

Classification of the substance or mixture According to Regulation (EC) No1272/2008 Acute toxicity, Oral (Category 4) Skin irritation (Category 2) Eye irritation / serious eye damage (Category 2) Chronic aquatic toxicity (Category 1)
According to European Directive 67/548/EEC as amended. Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Label elements Pictogram 
Signal word Warning
Hazard statement(s)
H315 Causes skin irritation H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
Precautionary statement(s)
P264 Wash ... thoroughly after handling P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water/... P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321: Specific treatment (see ... on this label). P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing. P391 Collect spillage. P501 Dispose of contents/container to ...
Hazard symbol(s)
Xn Harmful N Dangerous for the environment
R-phrases(s)
R36/38 Irritating to eyes and skin. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)
S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/ face protection.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets

Section 3. Composition/information on ingredients

Product Name : 2,6-di-tert-butylphenol (2,6-DTBP)

Synonyms:

2,6-bis(1,1-dimethylethyl)phenol, dibutylphenol, 2,6-bis(tert-butyl)phenol, and 2,6-di(1,1-dimethylethyl) phenol

CAS No.:128-39-2

Section 4. 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. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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

Section 5. Fire Fighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6. Accidental Release Measures

Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

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.

Methods and materials for containment and cleaning up

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

Section 7. Handling and Storage

Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage

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

Section 8. Exposure Controls, Personal Protection

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. Physical /Chemical Properties

Appearance : yellow solid	Melting point: 34 - 39 °C - lit.
Boiling point : 253 °C - lit.	Flash point: 99 ~ 118 °C - closed cup
Vapour pressure : < 0,01 hPa at 20 °C	Water solubility: insoluble
Density: 0.914	

Section 10. Stability and Reactivity

Chemical stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, flame and sparks. Avoid dust close to ignition sources.

Materials to avoid

Bases, Acid chlorides, Acid anhydrides, Oxidizing agents, Brass, Copper

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11. Toxicological Information

Acute toxicity

LD50 Oral - mouse - 800 mg/kg

LD50 Dermal - rabbit - > 10.000 mg/kg

Skin corrosion/irritation

May cause skin irritation of respiratory tract.

Serious eye damage/eye irritation

May cause serious irritation and even burns..

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

May cause irritation and even burns. May cause lung damage or pneumonitis.

Potential health effects

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

Ingestion: 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
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12. Ecological Information

Toxicity:
no data available
Persistence and degradability
Bioaccumulative potential
Bioaccumulation *Leuciscus idus melanotus* - 3 d
Bioconcentration factor (BCF): 660
Mobility in soil:no data available
Other adverse effects
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. no data available

Section 13. Disposal Considerations

Product:
Observe all federal, state, and local environmental regulations. 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.

Section 14. Transport Information

ADR/RID
UN-Number: 3077 Class: 9 Packing group: III
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IMDG
UN-Number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S..
Marine pollutant: No
IATA
UN-Number: 3077 Class: 9 Packing group: III
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S..

Section 15. Regulatory Information

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

Section 16. Additional Information

Remark " - " means no data , and " / " means not suitable.

- ✘ This information is only suitable for this product, and It does not suit that if this product is to be a additive agent or mixed with other chemicals.
- ✘ The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.