

Safety Data Sheets

Revision Date: 22-Jan.-2019

Section 1. Identification of substance

Product Name : para-tertiary-butyl Phenol (PTBP)
Synonyms: 4-t-butylphenol, p-t-butylphenol, p-tert-butylphenol, butylphen, 1-hydroxy-4-tert-butylphenol, 4-(1,1-dimethylethyl)phenol
CAS Number: 98-54-4
Manufacturer/Supplier : TASCO Chemical Corporation
Plant Address : Plant Address: 1 kung-Yeh, 2nd Rd., Lin-Yuan, Kaohsiung, Taiwan
Emergency Telephone Numbers +886-07-6411122 /FAX : +886-07-6411125
e-mail: kc-lai@tascogroup.com.tw

Section 2. Hazards identification

Causes burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard. Classification : 8



Signal Word : warning

Potential Health Effects

Inhalation: Causes chemical burns to the respiratory tract. May be harmful if inhaled.

Ingestion: Causes gastrointestinal tract burns. May cause nausea and vomiting.

Skin Contact: Causes skin burns.

Section 3. Composition/information on ingredients

Chemical Name : para-tertiary-butyl Phenol (PTBP)
Formula : C ₁₀ H ₁₄ O
Synonyms : 4-t-butylphenol, p-t-butylphenol, p-tert-butylphenol, butylphen, 1-hydroxy-4-tert-butylphenol, 4-(1,1-dimethylethyl)phenol

Section 4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

Do not induce vomiting. Get medical aid immediately. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Skin Contact: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Section 5. Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6. Accidental Release Measures**General Information:**

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 7. Handling and Storage**Handling:**

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8. Exposure Controls, Personal Protection**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 98-54-4:

Germany: 0.08 ppm TWA; 0.5 mg/m³ TWA Germany: skin notation

Netherlands: 0.1 ppm MAC; 0.5 mg/m³ MAC

Russia: 0.4 mg/m³ TWA (aerosol)

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if

Section 9. Physical /Chemical Properties

Physical State: Flakes	Molecular Weight: 150.22g/mole
Molecular Formula: C ₁₀ H ₁₄ O	Freezing/Melting Point: 95-98°C
Vapor Pressure:0.0002 psia @20 °C	Boiling Point: 236 - 238 °C@760mmHg
Autoignition Temperature: 475°C	Flash Point: 125°C (close cup)
Explosion Limits: 0.8 -5.3 %	Vapor density:5.1
Solubility in water: 0.6 g/l (20°C)	Specific Gravity/Density: 0.909 (water=1)

Section 10. Stability and Reactivity**Chemical Stability:**

Stable under normal temperatures and pressures.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Exposure to moist air or water, bases, acid chlorides, brass, copper, copper alloys, steel, acid anhydrides.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

Section 11. Toxicological Information

RTECS#: CAS# 98-54-4: SJ8925000

LD50/LC50: RTECS:

CAS# 98-54-4: Draize test, rabbit, eye: 10 mg Severe;
Draize test, rabbit, eye: 50 ug/24H Severe;
Draize test, rabbit, skin: 500 mg/4H Mild;
Draize test, rabbit, skin: 500 mg/24H Mild;
Oral, mouse: LD50 = 1030 mg/kg;
Skin, rabbit: LD50 = 2520 uL/kg;

Carcinogenicity: 4-tert-Butylphenol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other:

See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12. Ecological Information

Ecotoxicity :

Daphnia: Daphnia: EC50: 4.8 mg/l; 24H; DIN 38412 teil 11
Algae: Daphnia: EC50: 11.2 mg/l; 72H; .
Fish: Rainbow trout: LC50: >1.0 mg/l; 96H; OECD 203
Bacteria: Rainbow trout: EC50: >10 mg/l; 3H; OECD 209
Fish: Leuciscus idus: LC50: 1.5 mg/l; 48H; DIN 38412 teil 15

Other:

Non-biodegradable. Do not empty into drains. log Pow: 2.44

Section 13. Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14. Transport Information

Land transport (ADR/RID)

UN number : UN 2430

Proper shipping name and description : Environmentally hazardous substance, solid, n.o.s. (p-tert-butylphenol)

Chemical Name : 4-tert. Butylphenol

Class : 8

Packaging group : III

Labels : 8

Inland waterway transport (ADN(R))

UN number : UN 2430:

Proper shipping name and description : Environmentally hazardous substance, solid, n.o.s. (p-tert-butylphenol)

Chemical name : 4-tert. Butylphenol

Class : 8

Packaging group :III

Labels :8

Remarks :not available

Marine transport (IMDG)

UN number : UN 2430

Proper shipping name and description : Environmentally hazardous substance, solid, n.o.s. (p-tert-butylphenol)

Chemical name : 4-tert. Butylphenol

Class : 8

Packaging group : III
Labels : 8
Marine pollutant : yes (P)

Air transport ICAO/IATA
UN number : UN 2430
Proper shipping name and description : Environmentally hazardous substance, solid, n.o.s. (p-tert-butylphenol)
Chemical name : 4-tert. Butylphenol
Class : 8
Packaging group : III
Labels : 8

Section 15. Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: C N
Risk Phrases:
R 34 Causes burns.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrases:
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

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.