


# Safety Data Sheets

Revision Date: 06-Mar.-2018

## Section 1. Identification of substance

Product Name : o-tertiary-butyl Phenol (OTBP)
Synonyms: 2-(1,1-Dimethylethyl)phenol; 2-tert-Butyl-1-hydroxybenzene
CAS Number: 88-18-6
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


<b>Hazard Classification :</b>
<b>Signal Word : Danger</b>
<b>EMERGENCY OVERVIEW</b> Harmful if swallowed. Toxic by inhalation. Causes burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Potential Health Effects</b> <b>Eye:</b> Causes eye burns. May cause chemical conjunctivitis and corneal damage. <b>Skin:</b> Harmful if absorbed through the skin. Causes skin burns. <b>Ingestion:</b> Harmful if swallowed. Causes gastrointestinal tract burns. <b>Inhalation:</b> Harmful if inhaled. Causes chemical burns to the respiratory tract. <b>Chronic:</b> May cause liver and kidney damage. May cause methemoglobinemia, which is characterized by chocolate-brown colored blood, headache, weakness, dizziness, breath shortness, cyanosis (bluish skin due to deficient oxygenation of blood), rapid heart rate, unconsciousness and possible death. Effects may be delayed.

## Section 3. Composition/information on ingredients

Chemical Name : o-tertiary-butyl Phenol (OTBP)
Formula : C <sub>10</sub> H <sub>14</sub> O
Synonyms : 2-(1,1-Dimethylethyl)phenol; 2-tert-Butyl-1-hydroxybenzene

## Section 4. First Aid Measures

<b>Eyes:</b> In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.
<b>Skin:</b> In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.
<b>Ingestion:</b> If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b> If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
<b>Notes to Physician:</b> Treat symptomatically and supportively.

## 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Contact with metals may evolve flammable hydrogen gas. Combustible material; may burn but does not ignite readily. Runoff from fire control or dilution water may cause pollution.

### Extinguishing Media:

Use extinguishing media most appropriate for the surrounding fire.

## Section 6. Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

### Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## Section 7. Handling and Storage

### Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe vapor or mist.

### Storage:

Store in a cool, dry place. Keep container closed when not in use.

## 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.

### 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 exposure limits are exceeded or if irritation or other symptoms are experienced

## Section 9. Physical /Chemical Properties

Physical State: Clear liquid	Molecular Weight: 150.22g/mole
Molecular Formula: C <sub>10</sub> H <sub>14</sub> O	Freezing/Melting Point: -7°C
Color: light yellow	Boiling Point: 224 °C @ 760 mmHg
Flash Point: 110 °C (close cup)	Density : 0.982 (water=1)
Vapor Pressure: 1 mm Hg @ 57°C	Solubility in water: Insoluble.

## Section 10. Stability and Reactivity

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Excess heat.

### Incompatibilities with Other Materials:

Oxidizing agents, brass, copper, copper alloys, steel, acid anhydrides, acid chlorides.

### Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11. Toxicological Information

### RTECS#:

CAS# 88-18-6: SJ8921000 LD50/LC50:

CAS# 88-18-6: Draize test, rabbit, eye: 100 uL/4H Severe; Draize test, rabbit, skin: 500 uL/4H Severe; Inhalation, rat: LC50 = 1070 mg/m<sup>3</sup>/4H; Oral, rat: LD50 = 440 mg/kg; Skin, rabbit: LD50 = 7450 mg/kg; Skin, rat: LD50 = 705 mg/kg.

### Carcinogenicity:

2-tert-Butylphenol - Not listed by ACGIH, IARC, or NTP.

### Other:

See actual entry in RTECS for complete information.

## Section 12. Ecological Information

Other No information available

## Section 13. Disposal Considerations

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

## Section 14. Transport Information

### IATA

Shipping Name: ALKYLPHENOLS, LIQUID, N.O.S.

Hazard Class: 8

UN Number: 3145

Packing Group: III

### IMO

Shipping Name: ALKYLPHENOLS, LIQUID, N.O.S.

Hazard Class: 8

UN Number: 3145

Packing Group: III

### RID/ADR

Shipping Name: ALKYLPHENOLS, LIQUID, N.O.S.

Hazard Class: 8

UN Number: 3145

Packing group: III

## Section 15. Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T C N

Risk Phrases:

R 22 Harmful if swallowed.

## Section 16. Additional Information

Remark	” - ”means no data , and ”/”means not suitable.
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※ 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.