

2-TERT-BUTYLPHENOL

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CAS No: 88-18-6
RTECS No: SJ8921000
UN No: 3145

o-tert-Butylphenol
2-(1,1-Dimethylethyl)phenol
2-tert-Butyl-1-hydroxybenzene
 $C_{10}H_{14}O$ / $(CH_3)_3CC_6H_4OH$
Molecular mass: 150.2

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, carbon dioxide, foam.
EXPLOSION	Above 80/C explosive vapour/air mixtures may be formed.	Above 80/C use a closed system, ventilation.	

EXPOSURE		PREVENT GENERATION OF MISTS!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Cough. Sore throat. Shortness of breath.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Half-upright position. Refer for medical attention.
Skin	Redness. Pain. Burning sensation. Skin burns.	Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eyes	Redness. Pain. Severe deep burns.	Face shield, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Burning sensation in the throat and chest. Abdominal pain. Shock or collapse.	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: chemical protection suit including self-contained breathing apparatus. Collect leaking liquid in sealable plastic containers. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment.	UN Hazard Class: 8 UN Pack Group: III Do not transport with food and feedstuffs. Marine pollutant.

EMERGENCY RESPONSE	SAFE STORAGE
	Separated from strong oxidants, strong bases, acid anhydrides, acid chlorides, metals, food and feedstuffs.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS TO YELLOW LIQUID, WITH CHARACTERISTIC ODOUR.

Physical dangers

The vapour is heavier than air

Chemical dangers

Reacts violently with strong oxidants, bases, acid anhydrides and acid chlorides. Attacks copper and its alloys.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying.

Effects of short-term exposure

The substance is corrosive to the skin and the eyes. The vapour is irritating to the respiratory tract. Corrosive on ingestion.

PHYSICAL PROPERTIES

Boiling point: 223°C

Melting point: -6.8°C

Relative density (water = 1): 0.98

Solubility in water, g/100 ml at 20°C: 0.2 (poor)

Vapour pressure, Pa at 20°C: 5

Relative vapour density (air = 1): 5.2

Flash point: 80°C c.c.

Auto-ignition temperature: 335°C

Octanol/water partition coefficient as log Pow: 3.3

ENVIRONMENTAL DATA

The substance is toxic to aquatic organisms.

NOTES

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible