

MATERIAL SAFETY DATA SHEET.

SECTION - 1 : MATERIAL IDENTIFICATION & USE

Material Name Identifier Trade Name and synonyms	Para Tertiary Butyl Catechol PTBC
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SECTION - II : INGREDIENTS OF MATERIAL

Hazardous Ingredients	Itself , Catechol
Other	4-Tert Butyl

SECTION - III : HAZARD IDENTIFICATION

Health Effects	Harmful in contact with skin and if swallowed. Irritating to eyes & skin
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SECTION IV: FIRST AID MEASURES

First aid measures	Remove from contact. Take off affected areas with water from a hose or drench shower. Rub the contaminated areas with material soaked in 70/30 PEG/Meths mixture. Medical aid should be summoned. If ingested, do not induce vomiting.
Additional information	If the patient stops breathing apply artificial respiration and administer oxygen. Give nothing by mouth to an unconscious patient. Maintain body temperature and transfer the casualty to hospital.

SECTION V: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Dry Powder, foam.
Protective Equipment	Protective Clothing
Unsuitable extinguishing media	Water Jet

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Goggles / face shield PVC /synthetic rubber gloves, overalls and protective footwear
Environmental Precautions	Should not be allowed to enter sewers and watercourses. If this is unavoidable, inform appropriate authorities
Methods for cleaning up	Use mechanical means. Remove for disposal

SECTION VII: HANDLING & STORAGE

Engineering Controls	Effective Ventilation. No physical contact
Storage requirement	Cool, dry place with ventilation

SECTION-VIII: PREVENTIVE MEASURES

Gloves (Specify)	PVC
Eyes (Specify)	Safety Goggles
Clothing(Specify)	Overalls
Footwear (Specify)	Protective footwear
Others(Specify)	PVC overall with hood and visor

SECTION-IX: PHYSICAL DATA FOR MATERIAL

Physical State	Solid
Odor & appearance	White to Tan turning brown on storage
Bulk Density	1.049
Boiling point	284°C
Solubility in water at 25°C	0.2 GMs / 100 GMs of water
Set Point	50°C

SECTION-X: REACTIVITY DATA

Chemical stability	Stable
Reactive and under what conditions	Stable
Incompatibility to other substances	None
Hazardous products of decomposition	None

SECTION-XI: TOXICOLOGICAL PROPERTIES OF MATERIAL

Route of entry	Skin and contact, ingestion, skin absorption
Effects of chronic exposure of materials	Hyper sensitivity harmful to eye on contact
Effects of acute exposure to material	Skin burn on direct contact, irritating
Exposure limit	Not specified
Effect on Skin & Eye	Skin and eye irritant
LD-50 (Specify species and route)	2820 mg/kg oral-rat
Approx. Concentration	Above 95%.

SECTION-XII: ECOLOGICAL INFORMATION

Mobility	Expected to be slowly but ultimately bio-degradable
Persistence & Bio-degradability	
Bio-accumulative Potential	
Eco-toxicity	
	Fish LC50 8.9mg/l Trout
	LC50 3.5 mg/l Minnow

SECTION-XIII: DISPOSAL CONSIDERATIONS

Leak & spill containment procedures recommended	Sweep and collect into container. Avoid direct contact while collecting
Waste disposal procedures	Dispose off in accordance with local regulations for disposal of poly-phenols
Disposal of Packaging Materials	Recycle or dispose off in accordance to local regulations

SECTION-XIV: TRANSPORT INFORMATION

U.N. Number	2811
IMDG Number	6231
CAS Number	98-29-3
Hazard Class	6.1
Packing Group	III
Shipping Name	Toxic Solid, Organic, N.O.S.
Technical shipping name	Para Tertiary Butyl Catechol
Set Point	50°C
Flash point	151°C

SECTION-XV: REGULATORY INFORMATION

Classification	Hazard 1: Harmful (Xn)
Risk Phrases	Harmful by inhalation and in contact with skin Irritating to eyes & Skin
Label	Stow away from foodstuff
CAS Number	98-29-3
Customs Tariff Number	2907.19.00

SECTION-XVI: OTHER INFORMATION

Uses	Used primarily as a polymerization inhibitor in the petrochemical industry
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