

HINDUSTAN POLYAMIDES AND FIBRES LTD.
MATERIAL SAFETY DATA SHEET

ORTHO TERTIARY BUTYL CYCLOHEXANOL
(OTBCH)

01 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Product name : ORTHO TERTIARY BUTYL CYCLOHEXANOL
(OTBCH)

Intended use : Perfumery Ingredient

Company : Hindustan Polyamides and Fibres Limited (HPFL)
1004, Peninsula Towers, 10 th Floor,
Peninsula Corporate Park, G.K. Marg,
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02 -HAZARDS IDENTIFICATION

General : Prolonged or repeated contact with skin and
eyes by inhalation may cause irritation.

Hazard Symbol : None

Risk Phrase : None

Environment : When Spilled, can contaminate soil, ground and
surface waters

03 -COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : 2-tert-Butyl Cyclohexanol

Synonyms : o-tert-Butyl Cyclohexanol OR
Cyclohexanol, 2-(1,1-dimethyl ethyl) OR
2-(1,1-dimethyl ethyl) Cyclohexanol OR
Verdol

Formula : C₁₀H₂₀O

Molecular weight : 156.2

CAS Number : 7214-18-8 – cis 5448-22-6 –trans 13491-79-7

EINECS/ELINCS No.: 203-601-5 – cis 226-670-6 - trans 236-806-6

Composition : cis Isomer >80% and trans Isomer - <20.0%

HS Code : 2906.12.00

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04 -FIRST-AID MEASURES

- Inhalation : Remove to fresh air. Obtain medical advise
- Eye Exposure : Flush immediately with water for at least 15 minutes. Seek medical advise if irritation persists.
- Skin Exposure : Remove contaminated clothing. Wash the exposed area with water and soap. Seek medical advise if symptoms persist.
- Ingestion : Rinse mouth with water and seek medical advise. Do not induce vomiting.
- Others :Take Risk and Safety Phrases in account- Section 15.

05 -FIRE-FIGHTING MEASURES

Extinguishing Media : Carbon dioxide, Dry Chemical, foam. Do not use direct water jet on burning material.

Unusual Fire/Explosion Hazards :

Toxic Gases (Carbon dioxide, carbon monoxide and acrid fumes) are released on burning. Closed containers will build pressure at elevated temperatures. During such condition, keep containers cooled with water spray.

06 -ACCIDENTAL RELEASE MEASURES

Personal Precautions : Avoid inhalation and contact with skin and eyes. A self contained breathing apparatus is recommended in case of major spillages. Remove ignition sources, Provide ventilation. Contain large spills with sand or inert adsorbent material and dispose according to local regulations.

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Environmental Precautions

: Keep away from drains, surface and ground water and soil.

07 -HANDLING AND STORAGE

Handling : Follow good manufacturing and industrial hygiene practices. Use Safety Goggles and other safety measures while handling the material

Storage : Store in a cool, dry and well ventilated place away from heat source. Store in tightly closed containers.

Fire protection : Keep away from source of ignition and naked flame.

08 -EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure limits:

EU OEL 8 h (mg/m³) : Not determined

EU STEL 15 mn (mg/m³) : Not determined

Respiratory protection: Avoid inhalation of vapors. Use in well ventilated area.

Hand protection : The use of chemical resistant gloves recommended

Eye protection : Use safety goggles while handling the material.

Skin protection : Avoid contact with the skin

Ventilation : Provide adequate ventilation. Use local exhaust if necessary.

09 -PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Powder or mass

Colour : White

Odour : Pine-like, camphoraceous, minty, tarry

Boiling point (°C) : 209 at 760 mm

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Melting point (°C)	: >43	
Flash point (°C)	: >78 (CLOSED CUP)	
Auto-ignition temp. (°C)	: 390	
Vapor pressure (hPa)	: >1.000 at 20°C	
Specific gravity (25/25 °C)	: Not applicable	
Water solubility (mg/L)	: 1000.000 at 20°C	
Partition coeff. (log Pow)	: 3.06	OECD 117

10 -STABILITY AND REACTIVITY

Stability & reactivity	: No significant hazard, by itself or in contact with water. Avoid contact with strong acids, alkaline oxidizing agents and Acid anhydrides.
Decomposition	: Carbon dioxide, Carbon Monoxide and unidentified organic compounds may form during combustion.

11 -TOXICOLOGICAL INFORMATION

Not regulated for specific Health hazard (EEC directive 92/2/EC)

Oral LD ₅₀	: Rat – Not Available
Dermal LD ₅₀	: Rabbit – Not Available
Skin Irritation	: Slightly irritant : Rabbit, : Not available – Human,
Skin Sensitization	: Not Sensitizing - Human at 1.25% in N/K
Phototoxicity	: Not available Test: Phototoxicity

12 -ECOLOGICAL INFORMATION

Not Regulated for Environmental hazard

LC ₅₀ for Fish	: Not available
EC ₅₀ for Daphnia	: Not available
LC ₅₀ Algae	: Not available
Biodegradability	: Not determined

13 -DISPOSAL CONSIDERATIONS

Dispose according to local regulations. Avoid disposing into drainage systems and into environment.

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14 -TRANSPORT INFORMATION

	CLASS	UN/ID NUMBER	PACKING GROUP
RID/ADR	Not restricted		
IMDG	Not restricted		
ICAO/IATA	Not restricted		

15 -REGULATORY INFORMATION

Lable	ORTHO TERTIARY BUTYLCYCLOHEXANOL (PTBCH)		
S 24/25	Avoid contact with skin and eye		
EINECS/ELINCS	203-601-5	236-806-6	

16 -OTHER INFORMATION

Water endangering class (WGK): 2 (Hazardous to water)

NFPA rating :Health – 0 Flammability- 2 Reactivity - 0

This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

DISCLAIMER :

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