

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No. 1907/2006

**Product:** PARATERTIARYBUTYLCYCLOHEXYLACETATE(PTBCHA)1000000000

**Version:** 1

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

**Product identifier:** 4-tert-butylcyclohexyl acetate; CAS: 32210-23-4; REACH REG:01-2119976286-24-0007

**Other identifiers:** 1000000000 PARATERTIARYBUTYL CYCLOHEXYL ACETATE(PTBCHA)

#### 1.2 Relevant identified uses of the substance of mixture and uses advised against

**Product uses:** Ingredient for fragrances

Please refer to the Exposure Scenario.

#### 1.3 Details of the supplier of the safety datasheet

**Company name:** Eternis Fine Chemicals Ltd. (Formerly Hindustan Polyamides & Fibres Limited)

**Company address:** 1004, Peninsula Towers, 10 th Floor,  
Peninsula Corporate Park, G.K.Marg,  
Lower Parel, Mumbai-400013, India

**Contact:** Salomi Samuel

**E-Mail address:** sales@eternis.com

**Company phone:** +91-22-66513400

#### 1.4 Emergency telephone number

**Emergency phone:** 011-352-323-3500 (Infotrac Contract No. -102229)

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under Regulation (EC) No 1272/2008**

**Class and category of danger:**

Sensitization - Skin Category 1B  
H317, May cause an allergic skin reaction.

#### 2.2 Label elements

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### Classification under Regulation (EC) No1272/2008

**Signal word:** Warning

**Hazard statements:** H317, May cause an allergic skin reaction.

**M factor:** None

**Supplemental Information:** None

**Precautionary statements:** P261, Avoid breathing vapour or dust.  
P280, Wear protective gloves/eye protection/face protection.  
P302/352, IF ON SKIN: Wash with plenty of soap and water.  
P333/313, If skin irritation or rash occurs: Get medical advice/attention.  
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Pictograms:**



**Other hazards:** None

### Section3.Composition/information on ingredients

#### 3.1 Substances

**Product identifier:** 4-tert-butylcyclohexyl acetate; CAS: 32210-23-4; REACH REG:01-2119976286-24-0007

### Section4.First-aid measures

#### 4.1 Description of first aid measures

IF ON SKIN: Wash with plenty of soap and water.

#### 4.2 Most important symptoms and effects, both acute and

**delayed** May cause an allergic skin reaction.

#### 4.3 Indication of any immediate medical attention and special treatment

**needed** None expected. see Section 4.1 for further information.

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### SECTION 5: Fire fighting measures

#### 5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

#### 5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

#### 5.3 Advice for firefighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

### Section6.Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

#### 6.2 Environmental precautions:

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

#### 6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

#### 6.4 Reference to other

**sections** :Also refer to sections

8 and13.

### Section7.Handling and storage

#### 7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipments required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

#### 7.3 Specific end use(s):

Ingredient for flavors and fragrances: Use in accordance with good manufacturing and industrial hygiene practices. Please refer to the Exposure Scenario.

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### Section 8. Exposure controls/personal protection

#### 8.1 Control parameters

**Workplace exposure limits:** Not Applicable

#### 8.2 Exposure Controls

##### Eye/Skin Protection

Wear protective gloves/eye protection/face protection

##### Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Please refer to the Exposure Scenario.

### Section 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Clear colorless liquid
<b>Odour:</b>	Floral
<b>Odour threshold:</b>	Not determined
<b>pH:</b>	Not determined
<b>Melting point/freezing point:</b>	-20 °C
<b>Initial boiling point and boiling range:</b>	243 °C
<b>Flash point</b>	104 °C
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gas):</b>	Not determined
<b>Upper/lower flammability or explosive limits:</b>	Not determined
<b>Vapour pressure:</b>	7.9 Pa @ 25 °C
<b>Vapour density:</b>	Not determined
<b>Relative density:</b>	0.9360 g/cm <sup>3</sup> @ 20 °C
<b>Solubility(ies):</b>	Water Solubility 39.6 mg/l @ 20 °C
<b>Partition coefficient: n-octanol/water:</b>	4.8 log POW
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	8.37 mm <sup>2</sup> /s
<b>Explosive properties:</b>	None
<b>Oxidising properties:</b>	Not determined
<b>Other information:</b>	Surface tension = 62.9 mN/m at 20 °C

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### Section 10. Stability and reactivity

#### 10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

#### 10.2 Chemical stability:

Good stability under normal storage conditions.

#### 10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

#### 10.4 Conditions to avoid:

Avoid extreme heat.

#### 10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidizing agents.

#### 10.6 Hazardous decomposition products:

Not expected.

### Section 11. Toxicological information

#### 11.1 Information on toxicological effects

<b>Acute Toxicity:</b>	Based on available data the classification criteria are not met.	
Acute Toxicity Oral	LD50 (rat)	3370 mg/kg
Acute Toxicity Dermal	LD50 (rabbit)	>4680 mg/kg
Acute Toxicity Inhalation	Not available	

<b>Skin corrosion/irritation:</b>	Based on available data the classification criteria are not met.	
Skin irritation	Human	not irritating

<b>Serious eye damage/irritation:</b>	Based on available data the classification criteria are not met.	
Eye irritation	Rabbit	not irritating

<b>Respiratory or skin sensitisation :</b>	Sensitization - Skin Category 1B	
Skin sensitisation	Local Lymph Node Assay	sensitising

**Germ cell mutagenicity:** Based on available data the classification criteria are not met.

**Carcinogenicity:** No data available

**Reproductive toxicity:** Based on available data the classification criteria are not met.

**STOT-single exposure:** Based on available data the classification criteria are not met.

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**STOT-repeated exposure:** Based on available data the classification criteria are not met.

**Aspiration hazard:** No data available

Refer to Section 2 for additional information.

### Section 12. Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** Based on available data the classification criteria are not met.

EC10 (72 hrs) (static)	Desmodesmus subspicatus	11 mg/L
EC50 (48 hrs) (static)	Daphnia magna	5.3 mg/L
EC50 (72 hrs) (static)	Desmodesmus subspicatus	22 mg/L
LC50 (96 hrs)	Cyprinus carpio	8.6 mg/L
NOEC (72 h) (static)	Desmodesmus subspicatus	6.8 mg/kg

#### 12.2 Persistence and degradability

Biodegradation: Readily biodegradable

#### 12.3 Bioaccumulative potential

Partition coefficient n-octanol /water (log K<sub>ow</sub>): Calculated 4.8  
 Bio concentration factor (BCF): whole body weight 334.6 L/kg

#### 12.4 Mobility in soil

Adsorption coefficient:  
 K<sub>oc</sub> Measured 3243 - 4603  
 Log K<sub>oc</sub> Measured > 3.51 - < 3.66

#### 12.5 Results of PBT and vPvB assessment

Not applicable

#### 12.6 Other adverse effects

Not applicable

#### 12.7 Additional information

German Water Hazard Class WGK 2

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### Section 13. Disposal considerations

#### 13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport information

**14.1 UN number:** Not classified

**14.2 UN Proper Shipping Name:** Not classified

**14.3 Transport hazard class(es):** Not classified

**Sub Risk:** Not classified

**14.4. Packing Group:** Not classified

**14.5 Environmental hazards:** Not environmentally hazardous for transport

**14.6 Special precautions for user:** None additional

**14.7 Transport in bulk according to Annex I of MARPOL 73/78 and the IBC Code:**  
Not classified

### Section 15. Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None additional

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out. Refer to the Annex for further information on Exposure Scenarios

### Section 16. Other information

#### Key to revisions:

Not applicable

#### Key to abbreviations:

Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.