

# HINDUSTAN POLYAMIDES AND FIBRES LTD.

1004, Peninsula towers, 10<sup>th</sup> Floor, Peninsula Corporate Park,  
G K marg, Lower Parel(W), Mumbai-400013,  
Ph: 91-22-66513400 Fax: 91-22-66513435 email: [sales@hpfl-india.com](mailto:sales@hpfl-india.com)

---

## PRODUCT SPECIFICATION

|                         |  |                    |  |
|-------------------------|--|--------------------|--|
| <b>Product</b>          | : <b>ORTHO TERTIARY BUTYL CYCLOHEXYL ACETATE (OTBCHA)</b>  |                    |  |
| <b>Chemical Name</b>    | : 2-tert-Butyl Cyclohexyl Acetate  |                    |  |
| <b>Synonyms</b>         | : Cyclohexanol, 2-(1,1-dimethyl ethyl) acetate OR<br>2-(1,1-dimethyl ethyl) Cyclohexyl acetate OR<br>o-tert-Butylcyclohexyl Acetate OR<br>Yalanate Ortho OR Agrumex OR Verdox OR<br>Ortholate OR Green Acetate |                    |  |
| <b>CAS NO.</b>          | : 88-41-5  | <b>FORMULA</b>     | : C <sub>12</sub> H <sub>22</sub> O <sub>2</sub> |
| <b>EC No. (EINECS)</b>  | : 201-828-7  | <b>H.S CODE</b>    | : 2915.39.90                                     |
| <b>Molecular Weight</b> | : 198.3  | <b>Flash Point</b> | : 97°C   |
| <b>Odour</b>            | : Fresh, Fruity, Woody, Floral, Camphoraceous.   |                    |  |
| <b>Tenacity</b>         | : Medium Tenacity  |                    |  |
| <b>Intended use</b>     | : Perfumery  |                    |  |
| <b>Uses Level</b>       | : Not Restricted by IFRA   |                    |  |

---

## ANALYTICAL SPECIFICATION

|                               |   |
|-------------------------------|---|
| <i>Appearance</i>             | : Clear colorless liquid, may solidify below 25°C |
| <i>Olfactory</i>              | : To match standard                               |
| <i>Specific Gravity</i>       | : 0.9400 - 0.9460 at 20/20°C                      |
| <i>Specific Gravity</i>       | : 0.9370 - 0.9430 at 25/25°C                      |
| <i>Refractive Index</i>       | : 1.4500 - 1.4550 at 20°C                         |
| <i>Refractive Index</i>       | : 1.4480 - 1.4530 at 25°C                         |
| <i>Purity (By GC)</i>         | : 98.5% min (Σ of 2 isomers),                     |
| <i>Cis isomer (By GC)</i>     | : 80.0 – 88.0%                                    |
| <i>Trans isomer (By GC)</i>   | : 12.0 – 20.0 %                                   |
| <i>Acid Value (mg KOH/gm)</i> | : 1.0 max   |

---

## OTHER INFORMATIONS

|                       |   |
|-----------------------|---|
| <b>Packaging type</b> | : Epoxy lined MS / HMHDPE drums, IBC, ISO tanker (SS316).                           |
| <b>Storage</b>        | : Store in tightly closed containers, in a cool dry place, protected from sunlight. |
| <b>Shelf Life</b>     | : 2 Year  |
| <b>Additives</b>      | : Not added   |
| <b>Caution</b>        | : If found solidified do not heat more than 50°C                                    |