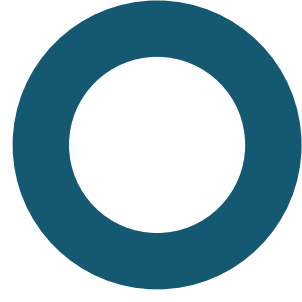
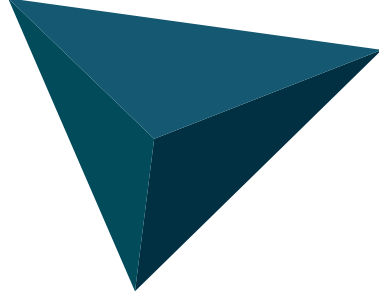
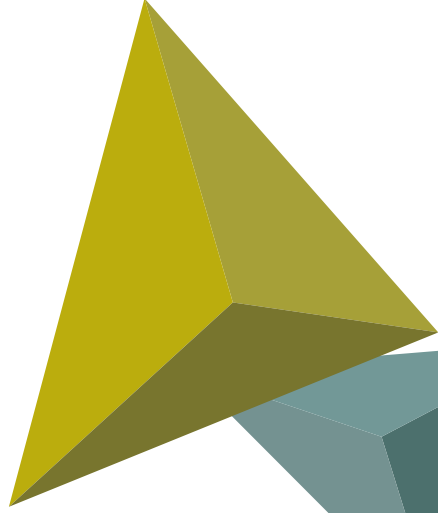


# Hunig's Base

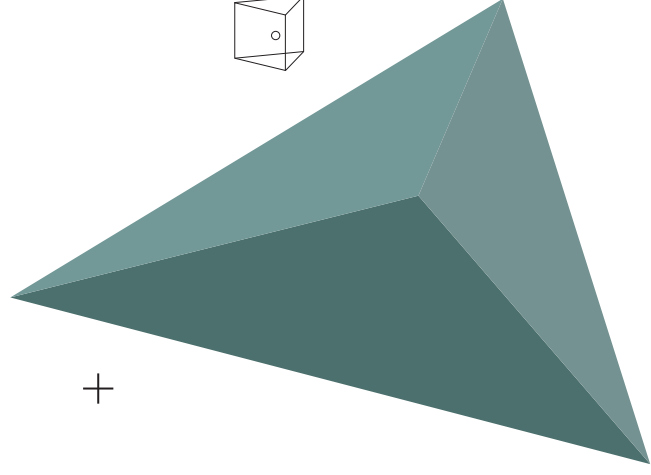
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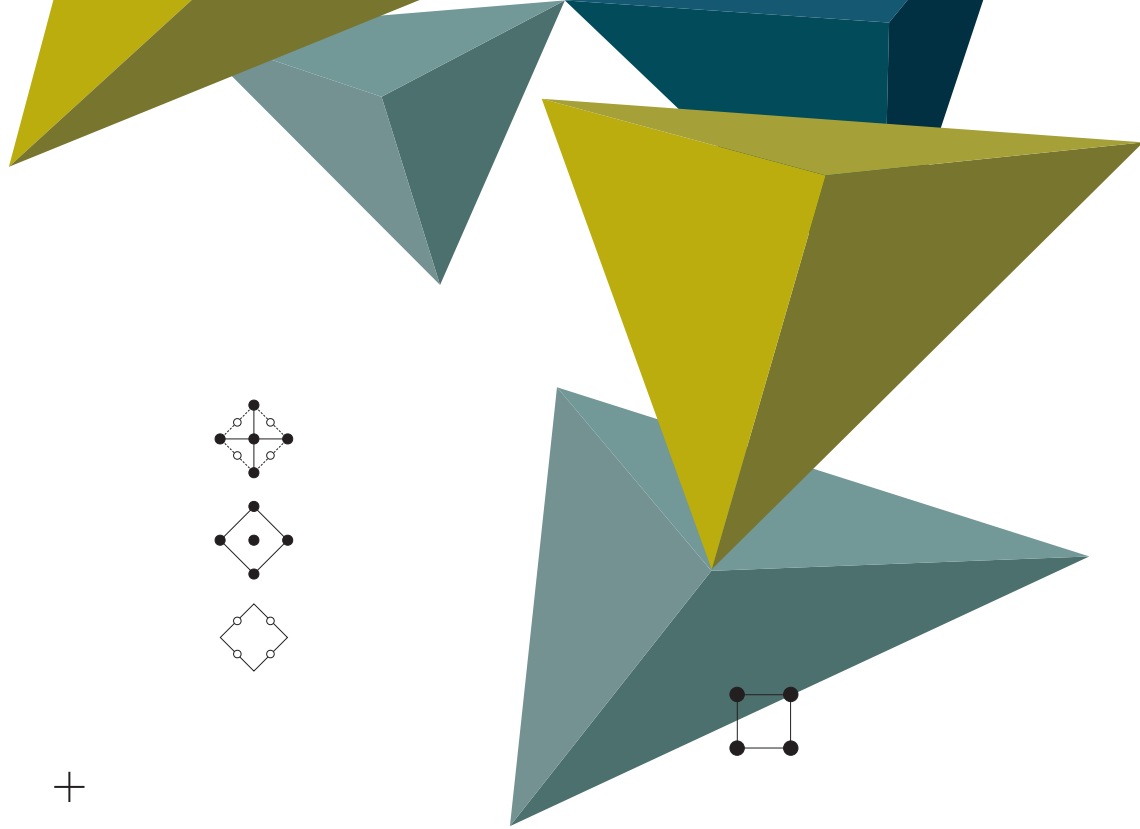
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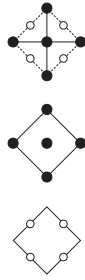
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## HUNIG'S BASE

### N,N-Diisopropylethylamine

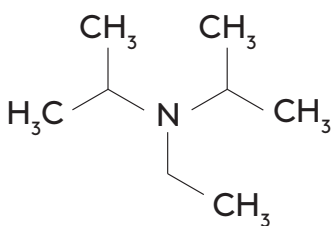
CAS. No. 7087-68-5 / EC 230-392-0 / REACH registered

The OQEMA Whyte offered material is produced solely from synthetic raw materials, meaning no raw materials are of animal or plant origin. Furthermore no animal or plant derived materials are present during the production of N,N-Diisopropylethylamine.

- Manufactured in a dedicated facility which is Responsible Care certified
- Site operates to ISO9001:2015, ISO14001:2015, BS OHSAS 18001:2007, ISO 500001:2011
- Recognised high purity product
- Standard pack sizes include 150kg drums and isotanks (bulk). Other pack sizes available on request
- Strategic stocks held globally to service customer needs.

SPECIFICATION	TYPICAL ANALYSIS
GC Assay	99.70 %
Diisopropylamine	0.20 %
Total organic by products	0.30 %
Residue on evaporation	0.20 %
Water content	0.10 %
Appearance	Colourless to pale yellow liquid

#### EMPIRICAL FORMULA C<sub>8</sub>H<sub>19</sub>N



Molecular Wt.	129.2
Specific Gravity, at 20 °C	0.74–0.76
Refractive Index, at 20 °C	1.413–1.415
Boiling Point	125–128 °C
Freezing Point	Below –50 °C
Solubility in water	Sparingly soluble
Flash Point	(closed cup) 8–10 °C

UN 3384 3(6.1)/PGI

#### MAIN APPLICATIONS

Amide coupling

Transition metal catalysed cross-coupling reactions

Swern oxidation

Alkylation Reactions  $R-X+R'-Y-H \rightarrow R'-Y-R+HX$

Elimination Reactions  $R-CH_2-CH-R' \rightarrow R-CH=CH-R+HX$

Acylation Reactions  $RCOX+R'-Y-H \rightarrow RCO-Y-R'+HX$

Peptide Synthesis Reagent

Esterification

Trans Esterification

As an intermediate used in the production of Auxiliary reagent in organic synthesis.

#### STORAGE & SHELF LIFE

This product has a 1 year retest date but can be extended to 2 years providing that material has not been exposed to direct sunlight.

- Avoid contact with copper and its alloys.
- Store away from ignition sources in a cool well ventilated area

#### KEY PROPERTIES & BENEFITS

- High purity
- Non nucleophilic
- Low water content
- Recyclable
- Excellent acid scavenger
- Reduced side reactions
- Improved yields
- Replaces Triethylamine and Dimethyl Aniline
- Hunig's base is immiscible with water and can be recovered from waste streams and recycled.