

## SPECIFICATION SHEET

VERSION 9      VERSION DATE 02/10/23      PRINT DATE 29/05/26

PRODUCT ALPHA TERPINENE  
APPLICATIONS Industrial raw material not intended for direct use.  
IUPAC NAME 1-METHYL-4-ISOPROPYLCYCLOHEXADIENE-1,3  
SYNONYMS P-MENTHA-1,3-DIENE

FORMULA C<sub>10</sub> H<sub>16</sub>  
MOLECULAR WEIGHT 136  
CAS 99-86-5  
EINECS 202-795-1  
FEMA 3558  
CoE 11023  
FDA 172.515  
TARIFF NUMBER 2902190000  
FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST

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ASPECT AT 20°C CLEAR MOBILE LIQUID  
COLOUR COLORLESS  
ODOUR CITRIC, LEMON, REFRESHING  
DENSITY AT 20°C (g / ml) 0,835-0,848  
DENSITY 25/25 -  
REFRACTIVE INDEX nD20 1,4750-1,4790  
REFRACTIVE INDEX nD25 -  
OPTICAL ROTATION (°) /  
BOILING POINT (°C) 177-183 (760 mm Hg)  
MELTING POINT (°C) -48°C  
FLASH POINT (°C) 55  
ASSAY (% GC) > 89  
ACID VALUE (mg KOH/g) -  
SOLUBILITY INSOLUBLE IN WATER  
VAPOUR PRESSURE 150 Pa (20°C); 940 Pa (50°C)  
OTHER SOLUBILITIES SOLUBLE IN ETHANOL 90%

OTHER TECHNICAL DATA REGULATION 872/2012 UE: ALPHA-PHELLANDRENE + 1,4-CINEOLE +  
ALPHA-TERPINENE + LIMONENE + 1,8-CINEOLE + P-CIMENE > 95%. PEROXIDES < 10  
mmol/l.

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
PURGE HEADSPACE WITH NITROGEN.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS. THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.

### PRODASYNTH SAS

Capital : 1.100.000 Euros · R.C.S.: GRASSE B 349 236 372 00026 TVA FR 03 349 236 372 APE 2053 Z

PI DES BOIS DE GRASSE 4 AV. JOSEPH HONORÉ ISNARD · 06130 GRASSE · FRANCE · Tel: +33 0493090011 · Fax: +33 0422130738 · e-mail: info@prodasynt.com