

## SPECIFICATION SHEET

**VERSION** 3,00 **VERSION DATE** 03/08/16 **PRINT DATE** 23/01/19

**PRODUCT** 1,4-CINEOLE  
**APPLICATIONS** Raw material for industrial use intended for the manufacture of flavours and/or fragrances.  
**IUPAC NAME** 1,4-EPOXY-P-MENTHANE  
**SYNONYMS** ISOCINEOL, 1-METHYL-4-(1-METHYLETHYL)-7-OXABICYCLO[2.2.1]HEPTANE

**FORMULA** C10 H18 O  
**MOLECULAR WEIGHT** 154,25  
**CAS** 470-67-7

**EINECS** 207-428-9

**FEMA** 3658  
**TARIFF NUMBER** 2906190090



**REACH REGISTRATION NO.** Exempt from registration (imported/manufactured < 1 ton/year)

## SPECIFICATIONS

**ASPECT AT 20° C** CLEAR MOBILE LIQUID  
**COLOUR** COLORLESS  
**ODOUR** CAMPHORACEOUS, FRESH  
**TASTE**  
**DENSITY A 20° C (g / ml)** 0,891 - 0,905  
**DENSITY 25/25** 0,885 - 0,902  
**REFRACTIVE INDEX nD20** 1,4450 - 1,4560  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** 172-174  
**MELTING POINT (°C)** -46  
**FLASH POINT (°C)** 47,00  
**ASSAY (% GC)** >80%  
**ACID VALUE (mg KOH/g)** < 1  
**SOLUBILITY** ALMOST INSOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** SUM OF DELTA-3-CARENE + ALPHA-PHELLANDRENE + 1,4-CINEOLE + LIMONENE + 1,8-CINEOLE + PARA-CIMENE >95%

## 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.

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 TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.