SPECIFICATION SHEET

VERSION	9	**VERSION DATE**	02/10/23	**PRINT DATE**	08/11/26

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	$C_{10}H_{16}$
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

SPECIFICATIONS

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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
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