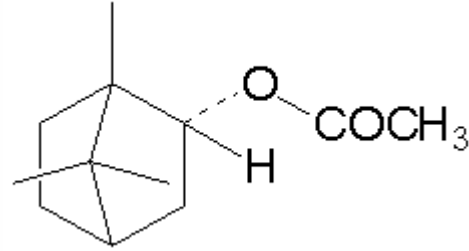


SPECIFICATION SHEET

VERSION 8,00 **VERSION DATE** 08/02/19 **PRINT DATE** 18/06/19

PRODUCT BORNYL ACETATE
APPLICATIONS Raw material for industrial use intended for the manufacture of flavours and/or fragrances.
IUPAC NAME (1R,2S,4R)-1,7,7-TRIMETHYLBICYCLO[2.2.1]HEPTAN-2-YL ACETATE
SYNONYMS

FORMULA C12 H20 O2
MOLECULAR WEIGHT 196,29
CAS 76-49-3
CAS 2 5655-61-8
EINECS 200-964-4
EINECS 2 227-101-4
FEMA 2159
TARIFF NUMBER 2915390090



FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST
REACH REGISTRATION NO. 01-2120062932-55, 01-2119901856-34

SPECIFICATIONS

ASPECT AT 20° C CLEAR MOBILE LIQUID/SOLID
COLOUR COLORLESS TO PALE YELLOW
ODOUR PINE, CAMPHORACEOUS, HERBAL, BALSAM
TASTE
DENSITY A 20° C (g / ml) 0,978 - 0,988
DENSITY 25/25 -
REFRACTIVE INDEX nD20 1,4620 - 1,4660
REFRACTIVE INDEX nD25 -
OPTICAL ROTATION (°) -25,00 / 0,01
BOILING POINT (°C) 226 - 227 (760 mm Hg)
MELTING POINT (°C) CA. 10-30°C
FLASH POINT (°C) 100,00
ASSAY (% GC) BORNYL AC.+ISOBORNYL AC. >98%; BORNYL AC. >66%
ACID VALUE (mg KOH/g) < 0.5
SOLUBILITY NEARLY INSOLUBLE IN WATER
VAPOUR PRESSURE NOT DETERMINED
OTHER SOLUBILITIES SOLUBILITY IN ETHANOL 70%: APPROX. 1 : 2,5-3

OTHER TECHNICAL DATA ISOBORNYL ACETATE 10-35%

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.