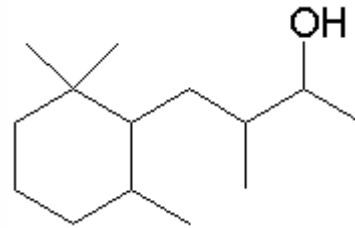


## SPECIFICATION SHEET

**VERSION** 2,00 **VERSION DATE** 19/09/22 **PRINT DATE** 04/07/24

**PRODUCT** MADRANOL SYMRISE  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** ALPHA-ETHYL-2,2,6-TRIMETHYLCYCLOHEXANEPROPANOL  
**SYNONYMS** TIMBRANOL, VIOLET PROPANOL, METHYL TETRAHYDROIONOL

**FORMULA** C14 H28 O  
**MOLECULAR WEIGHT** 212,42  
**CAS** 60241-52-3  
**CAS 2** 60241-53-4  
**EINECS** 262-115-4  
**EINECS 2** 262-117-5  
**FEMA** -  
**TARIFF NUMBER** 2906190090



**REACH REGISTRATION NO.** 01-2120778801-47

## SPECIFICATIONS

**ASPECT AT 20°C** CLEAR VISCOUS LIQUID  
**COLOUR** COLORLESS TO LIGHT YELLOW  
**ODOUR** WOOD, CEDARWOOD, AMBERGRIS, SANDALWOOD  
**TASTE**  
**DENSITY AT 20°C (g / ml)** 0,900 - 0,910  
**DENSITY 25/25** -  
**REFRACTIVE INDEX nD20** 1,4690 - 1,4790  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** 276°C (OECD TG 103)  
**MELTING POINT (°C)** -20  
**FLASH POINT (°C)** 118,00  
**ASSAY (% GC)** 60-70%  
**ACID VALUE (mg KOH/g)** -  
**SOLUBILITY** INSOLUBLE IN WATER  
**VAPOUR PRESSURE** < 1 kPa (50°C) CALCULATED  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

## OTHER TECHNICAL DATA

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 18 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.