

## SPECIFICATION SHEET

**VERSION** 4,00      **VERSION DATE** 12/12/23      **PRINT DATE** 02/01/25

**PRODUCT** ACETYL METHYL CARBINOL, NATURAL EU  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** 3-HYDROXY-2-BUTANONE  
**SYNONYMS** 3-HYDROXY-2-BUTANONE, ACETOIN, ACETYLMETHYLCARBINO

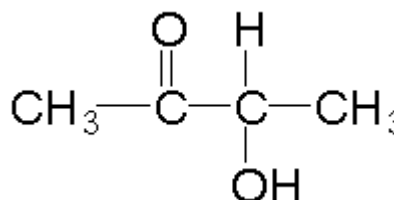
**PLANT OF ORIGIN**  
**PART OF THE PLANT**

**FORMULA** C4 H8 O2  
**MOLECULAR WEIGHT** 88,00  
**CAS** 513-86-0

**EINECS** 208-174-1

**FEMA** 2008  
**TARIFF NUMBER** 2914409090  
**KOSHER CERTIFICATE** AVAILABLE ON REQUEST  
**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST

**REACH REGISTRATION NO.** Exempt from registration (according to article 2.5 of REACH)



## SPECIFICATIONS

<b>ASPECT AT 20°C</b>	MOBILE LIQUID TO SOLID
<b>COLOUR</b>	COLORLESS TO YELLOW
<b>ODOUR</b>	BUTTER-LIKE
<b>TASTE</b>	BUTTER-LIKE
<b>DENSITY AT 20°C (g / ml)</b>	1,005 - 1,025
<b>DENSITY 25/25</b>	1,005 - 1,019
<b>REFRACTIVE INDEX nD20</b>	1,4170 - 1,4200
<b>REFRACTIVE INDEX nD25</b>	-
<b>OPTICAL ROTATION (°)</b>	-39,40 / -20,00
<b>BOILING POINT (°C)</b>	140 - 148
<b>MELTING POINT (°C)</b>	CA. 15 (MONOMER);110 (DIMER)
<b>FLASH POINT (°C)</b>	50,00
<b>ASSAY (% GC)</b>	> 96. CHIRAL QUALITY APPROX. RATIO L:D 70:30.
<b>ACID VALUE (mg KOH/g)</b>	-
<b>SOLUBILITY</b>	SOLUBLE IN WATER
<b>VAPOUR PRESSURE</b>	NOT DETERMINED
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** M.P. OF DIMER 115-125°C (IT DISSOCIATES AT T>20°C); MONOMER 15°C. FOR MELTING THE PRODUCT, THE RECOMMENDED TEMPERATURE IS <60°C. IF THE PRODUCT APPEARS AS POWDER (DIMER), DO NOT HEAT NOR MELT. DO NOT PACK IN STEEL DRUM.

## 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.  
 IT CHANGES TO MONOMER (LIQUID) AT T>20°C. STORE TEMPERATURE < 15°C. 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.