

## SPECIFICATION SHEET

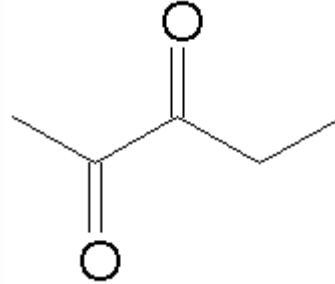
**VERSION** 5,00 **VERSION DATE** 29/04/11 **PRINT DATE** 23/01/19

**PRODUCT** 2,3-PENTANEDIONE  
**APPLICATIONS** Raw material for industrial use intended for the manufacture of flavours.  
**IUPAC NAME** 2,3-PENTANEDIONE  
**SYNONYMS** ACETYL PROPIONYL

**FORMULA** C5 H8 O2  
**MOLECULAR WEIGHT** 100,12  
**CAS** 600-14-6

**EINECS** 209-984-8

**FEMA** 2841  
**TARIFF NUMBER** 2914199090



**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST  
**REACH REGISTRATION NO.** Exempt from registration (product to be used exclusively in flavours)

## SPECIFICATIONS

**ASPECT AT 20° C** CLEAR MOBILE LIQUID  
**COLOUR** YELLOW  
**ODOUR** BUTTER, CHEESE, PUNGENT  
**TASTE**  
**DENSITY A 20° C (g / ml)** 0,954 - 0,964  
**DENSITY 25/25** 0,952 - 0,962  
**REFRACTIVE INDEX nD20** 1,4020 - 1,4060  
**REFRACTIVE INDEX nD25** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** 110 - 112  
**MELTING POINT (°C)** -52  
**FLASH POINT (°C)** 18,00  
**ASSAY (% GC)** > 98% (SUM OF TAUTOMERS DIKETONE+ENOL); KETO>93%  
**ACID VALUE (mg KOH/g)** -  
**SOLUBILITY** SLIGHTLY SOLUBLE IN WATER  
**VAPOUR PRESSURE** NOT DETERMINED  
**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 9 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
KEEP REFRIGERATED UNDER NITROGEN AND AWAY FROM SOURCES OF IGNITION.

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.