

## SPECIFICATION SHEET

**VERSION** 1,00 **VERSION DATE** 19/04/22 **PRINT DATE** 25/04/24

**PRODUCT** DIACETYL NATURAL  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** 2,3-BUTANEDIONE  
**SYNONYMS** DIMETHYLDIKETONE, DIMETHYLGLYOXAL, BUTANODIONE

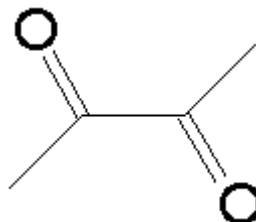
**PLANT OF ORIGIN**  
**PART OF THE PLANT**

**FORMULA** C<sub>4</sub> H<sub>6</sub> O<sub>2</sub>  
**MOLECULAR WEIGHT** 86,00  
**CAS** 431-03-8

**EINECS** 207-069-8

**FEMA** 2370  
**TARIFF NUMBER** 2914199090  
**KOSHER CERTIFICATE** AVAILABLE ON REQUEST  
**FOOD GRADE CERTIFICATE** AVAILABLE ON REQUEST

**REACH REGISTRATION NO.** On request. REACH and non-REACH material available for this product.



## SPECIFICATIONS

**ASPECT AT 20°C** CLEAR MOBILE LIQUID  
**COLOUR** YELLOW TO YELLOWISH-GREEN  
**ODOUR** SWEET, PUNGENT, BUTTERY, POWERFUL  
**TASTE**  
**DENSITY AT 20°C (g / ml)** 0,979 - 0,994  
**DENSITY 25/25** 0,975 - 0,990  
**REFRACTIVE INDEX n<sub>D20</sub>** 1,3930 - 1,3970  
**REFRACTIVE INDEX n<sub>D25</sub>** -  
**OPTICAL ROTATION (°)** /  
**BOILING POINT (°C)** 86 - 90  
**MELTING POINT (°C)** -4 / -2  
**FLASH POINT (°C)** 5,00  
**ASSAY (% GC)** > 96  
**ACID VALUE (mg KOH/g)** -  
**SOLUBILITY** SOLUBILITY IN WATER: 20% w/w 25°C  
**VAPOUR PRESSURE** 65 mbar 20°C  
**OTHER SOLUBILITIES** SOLUBLE IN ETHANOL

**OTHER TECHNICAL DATA** ISOVALERALDEHYDE <0.3%. PURGE HEADSPACE WITH NITROGEN AND KEEP REFRIGERATED.

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 12 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
IT MUST BE HANDLED WITH THE SAME PRECAUTIONS AS PETROL. DECOMPOSES/POLYMERISES BY AIR CONTACT

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.