

SPECIFICATION SHEET

VERSION 8 VERSION DATE 19/09/22 PRINT DATE 16/12/25

PRODUCT	DIACETYL
APPLICATIONS	Industrial raw material not intended for direct use.
IUPAC NAME	2,3-BUTANEDIONE
SYNONYMS	DIMETHYLDIKETONE, DIMETHYLGLYOXAL, BUTANODIONE
FORMULA	C ₄ H ₆ O ₂
MOLECULAR WEIGHT	86
CAS	431-03-8
EINECS	207-069-8
FEMA	2370
CoE	752
FDA	184.1278
TARIFF NUMBER	2914199090
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST

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ASPECT AT 20°C	CLEAR MOBILE LIQUID
COLOUR	YELLOW TO YELLOWISH-GREEN
ODOUR	SWEET, PUNGENT, BUTTERY, POWERFUL
DENSITY AT 20°C (g / ml)	0,982-0,992
DENSITY 25/25	0,979-0,985
REFRACTIVE INDEX nD20	1,3930-1,3970
REFRACTIVE INDEX nD25	-
OPTICAL ROTATION (°)	/
BOILING POINT (°C)	88
MELTING POINT (°C)	CA. -3
FLASH POINT (°C)	6
ASSAY (% GC)	> 97
ACID VALUE (mg KOH/g)	-
SOLUBILITY	SOLUBILITY IN WATER: 20% w/w 25°C APROX.
VAPOUR PRESSURE	65 mbar 20°C
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA 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.

PRODASYNTH SAS

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