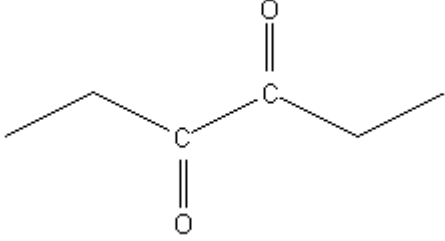


SPECIFICATION SHEET

VERSION 4,00 **VERSION DATE** 10/03/22 **PRINT DATE** 10/08/22

PRODUCT	3,4-HEXANEDIONE	
APPLICATIONS	Raw material for industrial use intended for the manufacture of flavours and/or fragrances.	
IUPAC NAME	3,4-HEXANEDIONE	
SYNONYMS	DIPROPIONYL, DIETHYL DIKETONE, 3,4-DIOXOHEXANE	
FORMULA	C6 H10 O2	
MOLECULAR WEIGHT	114,14	
CAS	4437-51-8	
EINECS	224-651-7	
FEMA	3168	
TARIFF NUMBER	2914199090	
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	
ODOUR	BUTTER, TOASTED, ALMOND, NUTTY, CARAMEL	
TASTE		
DENSITY AT 20°C (g / ml)	0,941	- 0,950
DENSITY 25/25	0,938	- 0,947
REFRACTIVE INDEX nD20	1,4080	- 1,4130
REFRACTIVE INDEX nD25		-
OPTICAL ROTATION (°)		/
BOILING POINT (°C)	130	
MELTING POINT (°C)	-10	
FLASH POINT (°C)	29,00	
ASSAY (% GC)	SUM OF ISOMERS > 97	
ACID VALUE (mg KOH/g)	<2	
SOLUBILITY	NEARLY INSOLUBLE IN WATER	
VAPOUR PRESSURE	10 mm Hg 20°C	
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL	

OTHER TECHNICAL DATA WATER CONTENTS: <1%. ISOMERS ARE TAUTOMERS KETO AND ENOL WHICH ARE INHERENT TO THE CHEMICAL STRUCTURE OF THIS PRODUCT. THE MAIN ISOMER IS THE KETO FORM WHICH ALWAYS HAS BEEN > 95%.

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.
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 TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.