

SPECIFICATION SHEET

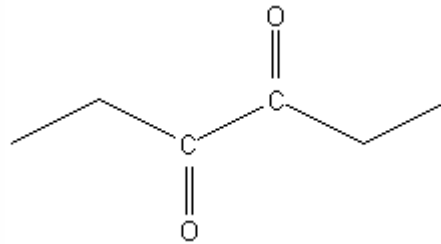
VERSION 4,00 **VERSION DATE** 10/03/22 **PRINT DATE** 17/07/24

PRODUCT 3,4-HEXANEDIONE
APPLICATIONS Industrial raw material not intended for direct use.
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 TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.