

SPECIFICATION SHEET

VERSION 4 VERSION DATE 19/09/22 PRINT DATE 17/07/24

PRODUCT ALDEHYDE ISOVALERIQUE
APPLICATIONS Industrial raw material not intended for direct use.
IUPAC NAME 3-METHYLBUTYRALDEHYDE
SYNONYMS ISOVALERALDEHYDE, 3-METHYLBUTYRALDEHYDE, ISOAMYL ALDEHYDE

FORMULA C₅ H₁₀ O
MOLECULAR WEIGHT 86,13
CAS 590-86-3
EINECS 209-691-5
FEMA 2692
CoE 94
FDA 172.515
TARIFF NUMBER 2912190090
FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST

SPECIFICATIONS

ASPECT AT 20°C CLEAR MOBILE LIQUID
COLOUR COLORLESS/PALE YELLOW/PALE GREEN
ODOUR FATTY, PUNGENT. DILUTED:NUTTY,COCOA
TASTE FRUITY, DRY, GREEN, CHOCOLATE, NUT
DENSITY AT 20°C (g / ml) 0,794-0,810
DENSITY 25/25 -
REFRACTIVE INDEX nD20 1,3870-1,4080
REFRACTIVE INDEX nD25 -
OPTICAL ROTATION (°) /
BOILING POINT (°C) 90 - 93
MELTING POINT (°C) -28°C
FLASH POINT (°C) 0,5
ASSAY (% GC) > 98
ACID VALUE (mg KOH/g) < 10
SOLUBILITY SLIGHTLY SOLUBLE IN WATER: 18,9 g/L (25°C)
VAPOUR PRESSURE 57,9 mbar (20°C)
OTHER SOLUBILITIES SOLUBLE IN ETHANOL

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.
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.

PRODASYNTH SAS

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