

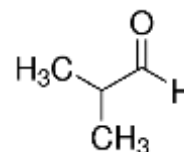


# Product Specification

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## ISO-BUTYRALDEHYDE FOR SYNTHESIS

PRODUCT CODE	125665
SYNONYMS	2-Methylpropionaldehyde
C.I. NO.	N/A
CASR NO.	78-84-2
ATOMIC OR MOLECULAR FORMULA	C <sub>4</sub> H <sub>8</sub> O
ATOMIC OR MOLECULAR WEIGHT	72.11
PROPERTIES	Slowly oxidizes on exposure to air & forming isobutyric acid



PARAMETER	LIMIT
Description	Transparent, colourless, highly refractive liquid with pungent odour (colour Max. 10 APHA) (colour max. 10 APHA)
Solubility	5% in ethanol forming clear & colourless soln.
Minimum assay (By GC)	99.0%
Wt. per ml at 20°C	0.788–0.790g
Refractive index (n) <sup>20</sup> <sub>D</sub>	About 1.3723
Boiling range (60–64°C)	Min. 95%
Stabilizer (2,6-Di-tert-butyl-4-methyl phenol)	About 0.1%

**Note(s) : Assay (if applicable) method mentioned**

### WARNING

**HAZARD STATEMENTS :** May cause respiratory irritation. Flammable liquid and vapour. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation.

### PRECAUTIONARY STATEMENTS :

**Prevention :** Ground/bond container and receiving equipment. Use only nonsparking tools. Take precautionary Measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection.

**Response :** If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction.

**Disposal :** Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

IMDG Code : 3/II  
UN No. : 2045  
IATA : 3

Hazard Pictogram(s) :



GHS02



GHS07

Replace Date 01/07/2020