

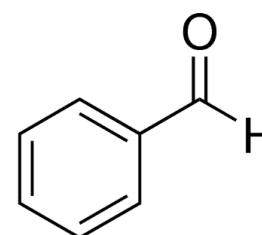


# Product Specification

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## BENZALDEHYDE FOR SYNTHESIS

PRODUCT CODE	027310
SYNONYMS	Benzenecarbaldehyde
C.I. NO.	N/A
CASR NO.	100-52-7
ATOMIC OR MOLECULAR FORMULA	C <sub>6</sub> H <sub>5</sub> CHO
ATOMIC OR MOLECULAR WEIGHT	106.12
PROPERTIES	The colour & benzoic acid content of benzaldehyde is reduced to its lowest practical limit at the time of mfg. but may increase on storage.



PARAMETER	LIMIT
Description	A highly refractive liquid with a characteristic odour, not more than a Pale yellow in colour.
Solubility	Miscible in alcohol
Minimum assay (GC)	98.5%
Wt. per ml at 20°C	1.044 – 1.047 g
Refractive index (n) <sup>20</sup> <sub>D</sub>	About 1.545
Boiling Range	176- 183°C

### MAXIMUM LIMIT OF IMPURITIES

Acidity (C <sub>6</sub> H <sub>5</sub> COOH)	1.0%
Chlorine (Combined)	0.2%

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

### WARNING

**Hazard statements :** May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

### Precautionary statements

**Prevention:** Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

IMDG Code : 9/III  
UN No. : 1990  
IATA : 9

**Disposal:** Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07

Replace Date 24-Nov.-2018