

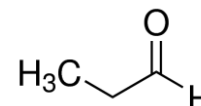


# Product Specification

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## PROPIONALDEHYDE FOR SYNTHESIS

PRODUCT CODE	029685
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	123-38-6
ATOMIC OR MOLECULAR FORMULA	C <sub>3</sub> H <sub>6</sub> O
ATOMIC OR MOLECULAR WEIGHT	58.08
PROPERTIES	--



PARAMETER	LIMIT
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Description	Clear & colourless pungent liquid.
Solubility	5% solution in water is clear & almost colourless.
Minimum assay (By GC)	98.0%
Wt. per ml at 20°C	0.804 – 0.807 g
Refractive index(n) <sub>D</sub> <sup>20</sup>	About 1.3650
Boiling range (47 - 49°C)	Min. 95%

### MAXIMUM LIMIT OF IMPURITY

Water	2.0%
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Note(s): Assay (if applicable) method mentioned.

#### DANGER

**HAZARD STATEMENTS :** May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause drowsiness and dizziness. Highly flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

#### PRECAUTIONARY STATEMENTS :

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

**Response :** Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. 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. If eye irritation persists, get medical advice/attention. In case of fire, use alcohol-type foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If skin irritation occurs, seek medical advice/attention. Specific treatment: refer to Label or MSDS. Wear eye/face protection.

IMDG Code :3/II  
UN No. :1275  
IATA :3

**Disposal :** Aldehyde is blanketed with sodium sulphite and then mixed with water. After completion of the reaction, dispose off.

Hazard Pictogram(s) :--



GHS02



GHS07



GHS08