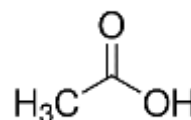


## ACETIC ACID FOR MOLECULAR BIOLOGY

<b>PRODUCT CODE</b>	909960
<b>SYNONYMS</b>	Glacial acetic acid
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	64-19-7
<b>ATOMIC OR MOLECULAR FORMULA</b>	$C_2H_4O_2$
<b>ATOMIC OR MOLECULAR WEIGHT</b>	60.05
<b>PROPERTIES</b>	Store below 30°C



PARAMETER	LIMIT
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Description	A clear colourless liquid, with a characteristic odour.
Solubility	Miscible with water forming a clear & colourless solution.
Minimum assay (acidimetric)	99.70%
Wt. Per ml (at 25°C)	About 1.049 g
Refractive index (n) <sup>20<sub>D</sub></sup>	About 1.371

### MAXIMUM LIMIT OF IMPURITIES

Water (K.F.)	0.2%
Chloride (Cl)	0.0002%
Heavy metals (Pb)	0.0005%
DNase, RNase	None detected

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

#### DANGER

**Hazard Statements:** Flammable liquid and vapour. Harmful in contact with skin. Harmful if inhaled. May be harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage. . Causes serious eye damage. Harmful to aquatic life.

#### Precautionary Statements:

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Keep only in original container. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

**Disposal:** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water.

MDG Code : 3(8)/ II  
UN No. : 2789  
ATA : 3(8)

Hazard pictogram(s) :



GHS02



GHS05

Replace Date 19-Dec-2025