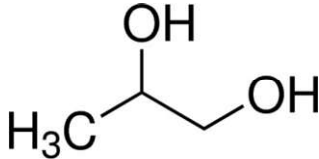





1,2-PROPANEDIOL AR	
<b>PRODUCT CODE</b>	<b>R09645</b>
<b>SYNONYMS</b>	Propyleneglycol
<b>C.I. NO.</b>	N/A
<b>CASR NO.</b>	57-55-6
<b>ATOMIC/MOLECULAR FORMULA</b>	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>
<b>ATOMIC/MOLECULAR WEIGHT</b>	76.10
<b>PROPERTIES</b>	<p>Under ordinary conditions propylene glycol is stable, but at high temperatures it tends to oxidize giving rise to products such as propionaldehyde, lactic acid, pyruvic acid &amp; acetic acid.</p> <p><b>Combustible.</b></p>
	
PARAMETER	LIMIT
Description	Clear, colourless viscous liquid. Absorbs moisture from moist air.
Appearance of solution	Passes test
Identification test	Passes test
Identification (By FTIR)	Conforms
Minimum assay (By GC)	99.5%
Wt. per ml at 20°C	1.035-1.037 g
Refractive Index (n) <sub>D</sub> <sup>20</sup>	1.431-1.433
Boiling Range	184-189°C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.2%
Sulphated ash	0.005%
Free acid (CH <sub>3</sub> COOH)	0.003%
Chloride (Cl)	0.004%
Sulphate (SO <sub>4</sub> )	0.006%
Heavy metals (Pb)	0.0005%
Oxidizing substances	Passes test
Reducing substances	Passes test
Other glycol (Ethylene glycol & ...)	Passes test
<b>Note(s): Assay (if applicable) method mentioned.</b>	
<p><b>WARNING</b></p> <p><b>HAZARD STATEMENTS:</b> May cause drowsiness or dizziness. Causes mild skin irritation. Causes eye irritation. May cause allergic skin reaction.</p> <p><b>PRECAUTIONARY STATEMENTS:</b></p> <p><b>Prevention:</b> Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.</p> <p><b>Response:</b> IF ON SKIN: Wash with plenty of soap and water. 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 skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse.</p> <p><b>Disposal:</b> Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.</p>	<p>IMDG Code: --</p> <p>UN No. :--</p> <p>IATA :--</p>
<b>Hazard Pictogram(s):</b> --	
 <b>GHS07</b>	

Replace Date 1 April 2023

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