

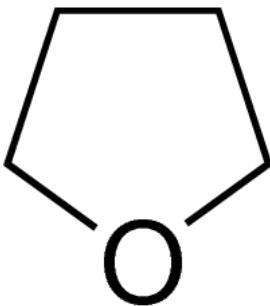


Product Specification

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TETRAHYDROFURAN FOR HPLC & SPECTROSCOPY

PRODUCT CODE	774380
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	109-99-9
ATOMIC OR MOLECULAR FORMULA	C ₄ H ₈ O
ATOMIC OR MOLECULAR WEIGHT	72.11
PROPERTIES	<p>Important : It is dangerous to determine the distillation range or to perform evaporation in samples that fail in peroxide test. Liable to form explosive peroxide on storage, exposure to light & air. Readily forms peroxide by autoxidation.</p> <p>Ethereal odor, Flash point : -15°C</p>
PARAMETER	LIMIT
Description	A clear colourless liquid, not more than 10 Hazen units in colour.
Solubility	Miscible with water forming clear & colourless solution
Minimum Assay (GC)	99.7%
Wt. per ml at 20°C	0.886 - 0.887 g
Refractive Index (n) _{D²⁰}	1.406-1.408
UV transmittance, %T Min. at	
230 nm	30%
245 nm	50%
270 nm	85%
310 nm	98%
MAXIMUM LIMIT OF IMPURITY	
Acidity (CH ₃ COOH)	0.001%
Non volatile matter	0.0005%
Water (H ₂ O)	0.03%
Peroxide (H ₂ O ₂)	0.005% (when packed)
Note(s) : Assay (if applicable) method mentioned.	
DANGER HAZARD STATEMENTS : May cause respiratory irritation. Highly flammable liquid and vapour. May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May damage the unborn child.	IMDG Code : 3/II UN No. : 2056 IATA : 3
PRECAUTIONARY STATEMENTS Prevention : Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Use only non-sparking tools. Obtain special instructions before use. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Take precautionary measures against static discharge. Wear protective gloves and eye/face protection. Keep container tightly closed. Use personal protective equipment as required. Use explosion-proof electrical/ventilating/lighting/equipment Keep away from heat/sparks/open flame - No smoking. Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical attention advice. If skin irritation occurs, seek medical advice/attention. If eye irritation persists, get medical advice/attention. Wear eye/face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. In case of fire, use alcohol-type foam fire extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate	



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removed clothing before reuse. Remove/Takeoff immediately all contaminated clothing.	
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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. After testing for peroxide the product should be given to specialized disposal company.

Hazard Pictogram(s) :-



GHS02



GHS07



GHS08