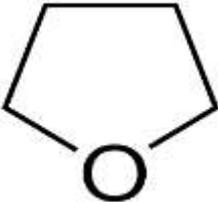




Product Specification

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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 autooxidation.</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) ²⁰ _D	1.406-1.408
UV Transmittance, %T in a 1cm cell v/s H ₂ O	
225 nm	10%
230 nm	15%
240 nm	32%
250 nm	55%
260 nm	70%
270 nm	83%
280 nm	90%
290 nm	95%
300 nm	98%
310-400 nm	99%
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
PRECAUTIONARY STATEMENTS	UN No. : 2056
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	IATA : 3



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allsafety precautions have been read and understood. Take precautionarymeasures against static discharge. Wear protective gloves and eye/faceprotection. Keep container tightly closed. Use personal protective equipment asrequired. 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 exposedor concerned: Get medical attention advice. If skin irritation occurs, seekmedical advice/attention. If eye irritation persists, get medical advice/attention.Wear eye/face protection. IF SWALLOWED: Call a POISON CENTER ordoctor/physician if you feel unwell. In case of fire, use alcohol-type foam forextinction. If on skin or hair: remove/take off immediately all contaminatedclothing. Rinse with water/shower. IF ON SKIN: Gently wash with plenty of soapand water. Wash/Decontaminate removed clothing before reuse. Remove/Takeoff immediately all contaminated clothing.

Disposal: Allow to evaporate in safe open area (applicable for smallquantities). The chemical should be burnt in a chemical incinerator equippedwith burner and scrubber. After testing for peroxide the product should begiven to specialized disposal company.

Hazard Pictogram(s) :-



GHS02



GHS07



GHS08

Replace Date 03-Mar-2026