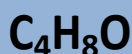




Product Specification

TETRAHYDROFURAN FOR HPLC & SPECTROSCOPY

PRODUCT CODE	774380
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	109-99-9
ATOMIC OR MOLECULAR FORMULA	C₄H₈O
ATOMIC OR MOLECULAR WEIGHT	72.11
PROPERTIES	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. Ethereal odor, Flash point : -15°C



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) _D ²⁰	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. 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	IMDG Code : 3/II UN No. : 2056 IATA : 3
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alcohol-type foam for 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 removed clothing before reuse. Remove/Take off immediately all contaminated clothing.

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) :-



Skin irritation



Flammable liquids



Aspiration hazard