

ACETONITRILE FOR HPLC & SPECTROSCOPY

PRODUCT CODE	700630
SYNONYMS	Methyl cyanide
C.I. NO.	N/A
CASR NO.	75-05-8
ATOMIC OR MOLECULAR FORMULA	CH ₃ CN
ATOMIC OR MOLECULAR WEIGHT	41.05
PROPERTIES	Limpid liquid, high dielectric constant, high polarity, strongly reactive, burns with a luminous flame.
	$\text{H}_3\text{C} \equiv \text{N}$
PARAMETER	LIMIT
Description	A clear liquid, not more than 10 Hz units in colour
Solubility	Miscible with water & Methanol forming a clear & colourless solution.
Minimum assay (By GC)	99.8%
Wt per ml at 20°C	0.780 - 0.783 g
Refractive index (n) _D ²⁰	1.343-1.345
Boiling range	81 – 82°C
MAXIMUM LIMIT OF IMPURITIES	
Water	0.03%
Acidity (as CH ₃ COOH)	0.002%
Residue on evaporation	0.0004%
UV transmission (Min.%)	
200 nm	90.0%
210 nm	93.0%
220 nm	96.0%
230 nm	98.0%
240 nm	99.0%
Filtered through 0.2 um membrane filter. Packed under inert gas.	
Note(s) : Assay (if applicable) method mentioned.	
WARNING HAZARD STATEMENTS : May cause respiratory irritation. Flammable liquid and vapour. Harmful if swallowed. Causes mild skin irritation. Causes eye irritation. PRECAUTIONARY STATEMENTS : Prevention : Ground/bond container and receiving equipment. Use only nonsparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection. Response : If eye irritation persists, get medical advice/attention. If skin irritation occurs, seek medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: refer to Label or MSDS. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use foam for extinction.	
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. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.	
IMDG Code : 3/II UN No. : 1648 IATA : 3	



Product Specification

cdhfinechemical.com

Hazard Pictogram(s) :



GHS07



GHS02

Replace Date 19-Dec-2025