



Product Specification

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ACETONITRILE GC-HS GRADE

PRODUCT CODE	700636
SYNONYMS	--
C.I. NO.	--
CASR NO.	75-05-8
ATOMIC OR MOLECULAR FORMULA	CH₃CN
ATOMIC OR MOLECULAR WEIGHT	41.05
PROPERTIES	Limpid liquid, high dielectric constant, high polarity, strongly reactive, burns with a luminous flame.
PARAMETER	LIMIT
Description	A clear colourless liquid, not more than 10 APHA in colour.
Solubility	50% solution in water is clear & colourless.
Minimum assay	99.9%
Wt. per ml at 20°C	0.781-0783 g
Refractive index (n) _D ²⁰	1.343-1.345
UV transmission (Min. %)	
193 nm	60%
195 nm	80%
200 nm	95%
220 nm	98%
230 nm	98%
254 nm	99%
Gradient test:	
Highest peak at 210 nm	2 mAU
Highest peak at 254 nm	0.5 mAU
MAXIMUM LIMIT OF IMPURITY	
Residue on evaporation	0.0003%
Water	0.02%
Acidity (as CH ₃ COOH)	0.002%
Alkalinity (as NH ₃)	0.0002%



Note(s) : Assay (if applicable) method mentioned.

DANGER HAZARD STATEMENTS: May cause drowsiness and dizziness. Highly flammable liquid and vapour. Fatal if inhaled. Toxic in contact with skin. Toxic if swallowed. Causes mild skin irritation. Causes eye irritation. Causes damage to organ through prolonged or repeated exposure. PRECAUTIONARY STATEMENTS : Prevention : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear respiratory protection. Ground/bond container and receiving equipment. Do not breathe dust/fume/gas/mist/ vapours/ spray. Wear protective gloves/clothing. Use only outdoor or in a well ventilated area. Wear protective gloves and eye/face protection. Keep container tightly closed. Keep away from heat/sparks/open flame-No smoking. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Response : immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Gently wash with plenty of soap and water. If eye irritation persists. Get medical advice/attention. IF INHALED: remove to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire, use	IMDG Code : 3/II UN No. : 1648 IATA : 3
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alcohol-type foam for extinction. IF SWALLOWED: immediately call a POISON CENTER or doctor/physician. Get medical advice/attention if you feel unwell. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/ shower. Specific treatment: refer to label or MSDS. Remove/take off immediately all contaminated clothing. Wash/decontaminate remove clothing before reuse; call a POISON CENTER or doctor/ physician if you feel unwell.

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 large 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.

Hazard Pictogram(s) :



Replace Date: - 26 Nov.2019