


BENZENE AR/ACS

PRODUCT CODE	462140	
SYNONYMS	N/A	
C.I. NO.	N/A	
CASR NO.	71 -43-2	
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₆	
ATOMIC OR MOLECULAR WEIGHT	78.11	
PROPERTIES	Non polar liquid of highly refractive nature.	
PARAMETER	LIMIT	
Description	A clear, colourless liquid with a characteristic odour.	
Solubility	Miscible with absolute industrial methylated spirit forming clear & colourless solution.	
Minimum assay (GC)	99.7%	
Wt. per ml at 20°C	0.877 – 0.878 g	
Freezing point	Not below 5.2°C	
Boiling Range	79.5 - 80.5°C	
Refractive index (n) ²⁰ _D	1.499 – 1.501	
MAXIMUM LIMIT OF IMPURITIES		
Non volatile matter	0.001%	
Water	0.05%	
Organic impurities	Passes acid wash test.	
Sulphur compounds (CS ₂)	0.005%	
Thiophen (C ₄ H ₄ S)	0.0002%	
Note(s) : Assay (if applicable) method mentioned.		
WARNING Hazard statements: May cause drowsiness and dizziness. Highlyflammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Causeserious eye irritation. May cause genetic defects. May cause CANCER Causesdamage to organs through prolonged or repeated exposure. Precautionary statements Prevention: Wash hands thoroughly after handling. Do not eat, drink or smokewhen using this product. Ground/bond container and receiving equipment. Do nohandle until all safety precautions have been read and understood. Use personalprotective equipment as required. Obtain special instructions before use. Do notbreathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Useexplosion-proof electrical/ventilating/lighting/equipment. Wear protective glovesand eye/face protection. Keep container tightly closed. Take precautionarymeasures against static discharge. Keep away from heat/sparks/open flame – Nosmoking. Use only non-sparking tools. Response: If skin irritation occurs, seek medical advice/attention. IFSWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinsecautiously with water for several minutes. Remove contact lenses, if present andeasy to do. Continue rinsing. Wear eye/face protection. If exposed or concerned:Get medical attention advice. Get medical advice/attention if you feel unwell. Ifeye irritation persists, get medical advice/attention. Wash/Decontaminateremoved clothing before reuse. Remove/Take off immediately all contaminatedclothing. Specific treatment: refer to Label or MSDS. If on skin or hair:remove/take off immediately all contaminated clothing. Rinse withwater/shower.In case of fire, use foam for extinction. IF ON SKIN: Gently wash with plenty ofsoap and water..		IMDG Code : 3/II UN No. : 1114 IATA : 3
Disposal: The chemical should be burnt in a chemical incinerator equipped withburner and scrubber. If the volumes are larger than 500ml and no incinerator andsite of evaporation is not available then transfer the waste chemical to waste		



Product Specification

cdhfinechemical.com

solvent drum for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS02



GHS07



GHS08

Replace Date 20-Sep-2025