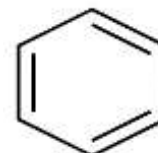


BENZENE AR/ACS

PRODUCT CODE	462140
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	71 -43-2
ATOMIC OR MOLECULAR FORMULA	C₆H₆
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%
Acidity	0.012 ml N%
Alkalinity	0.012 ml N%
Copper (Cu)	0.00002%
Iron (Fe)	0.00005%
Lead (Pb)	0.00002%
Organic impurities	Passes acid wash test.
Sulphur compounds (CS ₂)	0.0003%
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. Causesserious 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

IMDG Code : 3/II
UN No. : 1114
IATA : 3



Product Specification

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advice/attention. Wash/Decontaminate removed clothing before reuse. Remove/Take off immediately all contaminated clothing. 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. IF ON SKIN: Gently wash with plenty of soap and water..

Disposal: 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.

Hazard Pictogram(s) :



GHS02



GHS07



GHS08

Replace Date 29-Nov.-2018