



## Product Specification

### BENZENE-d<sub>6</sub> FOR NMR SPECTROSCOPY

PRODUCT CODE	D14517
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	1076-43-3
ATOMIC OR MOLECULAR FORMULA	C <sub>6</sub> D <sub>6</sub>
ATOMIC OR MOLECULAR WEIGHT	188.29
PROPERTIES	-

### C<sub>6</sub>D<sub>6</sub>

PARAMETER	LIMIT
Description	A clear & colourless liquid.
Solubility	Miscible with almost all organic solvents & methanol forming clear and colourless solution.
Purity	Min. 99.8 atom % D/10x0.75 ml
Wt.per ml at 20°C	0.877 – 0.878 g
Refractive Index (n) <sub>D</sub> <sup>20</sup>	1.499 – 1.501
Assay (KF- Coulometer)	0.05% H <sub>2</sub> O+D <sub>2</sub> O

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

#### WARNING

**Hazard statements:** May cause drowsiness and dizziness. Highly flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause genetic defects. May cause CANCER Causes damage to organs through prolonged or repeated exposure.

#### Precautionary statements

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Obtain special instructions before use. Do not breathe dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves and eye/face protection. Keep container tightly closed. Take precautionary measures against static discharge. Keep away from heat/sparks/open flame – No smoking. Use only non-sparking tools.

**Response:** 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. Wear eye/face protection. If exposed or concerned: Get medical attention advice. Get medical advice/attention if you feel unwell. If eye irritation persists, get medical 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..

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

**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) :



Skin irritation Flammable liquids Aspiration hazard