



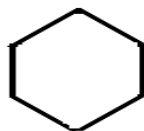
**SDFCL**  
s d fine-CHEM LIMITED



**Quality Control Dept.**

**Product Specification**

|                             |                                |
|-----------------------------|--------------------------------|
| E Control                   | QC2\DATAD\ID\IPS\20319XPS.xls  |
| PRODUCT CODE                | 20319                          |
| PRODUCT NAME                | CYCLOHEXANE AR                 |
| SYNONYMS                    | N/A                            |
| C.I. NO.                    | N/A                            |
| CASR NO.                    | 110-82-7                       |
| ATOMIC OR MOLECULAR FORMULA | C <sub>6</sub> H <sub>12</sub> |
| ATOMIC OR MOLECULAR WEIGHT  | 84.16                          |
| PROPERTIES                  |                                |



| PARAMETER                                                    | LIMIT                                                              |
|--------------------------------------------------------------|--------------------------------------------------------------------|
| Description                                                  | A clear, colourless liquid not more than 10 Hazen units in colour. |
| Solubility                                                   | Miscible with alcohol & ether                                      |
| Minimum assay (By GC)                                        | 99.5%                                                              |
| Wt.per ml at 20°C                                            | 0.777 - 0.779 g                                                    |
| Freezing Point                                               | Not less than 6°C                                                  |
| Boiling Range (80 - 81°C)                                    | Min. 95.0%                                                         |
| Refractive Index (n) <sub>D</sub> <sup>20</sup>              | 1.426 - 1.427                                                      |
| MAXIMUM LIMIT OF IMPURITIES                                  |                                                                    |
| Water (H <sub>2</sub> O)                                     | 0.03%                                                              |
| Non volatile matter                                          | 0.001%                                                             |
| Benzene content (C <sub>6</sub> H <sub>6</sub> ) ( By GCHS ) | 2 ppm w/v                                                          |
| Cyclohexene (C <sub>6</sub> H <sub>10</sub> )                | 0.01%                                                              |
| Readily carbonisable substance                               | Passes test.                                                       |

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

**DANGER**

**HAZARD STATEMENTS** : May cause respiratory irritation. Highly flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Very toxic to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS** :

**Prevention** : Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product. Ground/bond container and receiving equipment. Wash thoroughly after handling. Keep away from heat/sparks/open flame - No smoking. Wear protective gloves and eye/face protection. Keep container tightly closed.

IMDG Code : 3/II

UN No. :1145

IATA :3

**Response :** If skin irritation occurs, seek medical advice/attention. Remove/Take off immediately all contaminated clothing. IF ON SKIN: Gently wash with plenty of soap and water. Wash/Decontaminate removed clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. In case of fire, use foam for extinction. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. Specific treatment: refer to Label or MSDS.

**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.

Hazard pictogram(s) :



**Skin irritation**



**Flammable liquids**



**Hazardous to the aquatic environment**

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