



# SDFCL

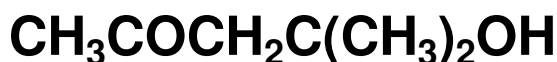
s d fine-chem limited

Quality Control Dept.



## Product Specification

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| E Control                   | QC2\DATAD\ID\PS\38010XPS.xls                  |
| PRODUCT CODE                | 38010                                         |
| PRODUCT NAME                | DIACETONE ALCOHOL PURIFIED                    |
| SYNONYMS                    | 4-Hydroxy-4-methyl pentan-2-one               |
| C.I. NO.                    | N/A                                           |
| CASR NO.                    | 123-42-2                                      |
| ATOMIC OR MOLECULAR FORMULA | C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> |
| ATOMIC OR MOLECULAR WEIGHT  | 116.16                                        |
| PROPERTIES                  |                                               |



| PARAMETER                                       | LIMIT                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| Description                                     | A clear and almost colourless liquid, colour not more than 40 Hazen units in colour. |
| Solubility                                      | Miscible with water & alcohol forming clear & colourless solution.                   |
| Minimum assay(By GC)                            | 99.0%                                                                                |
| Wt.per ml at 20 °C                              | 0.936 - 0.941 g                                                                      |
| Refractive index (n) <sub>D</sub> <sup>20</sup> | 1.423 - 1.424                                                                        |
| Non volatile matter                             | Not more than 0.02%                                                                  |

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

### WARNING

**STATEMENTS** : May cause respiratory irritation. Flammable liquid and vapour. May be harmful if swallowed. Causes mild skin irritation. Causes serious eye irritation.

### PRECAUTIONARY STATEMENTS

#### Prevention

Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wear eye/face protection. If skin irritation occurs, seek medical advice/attention. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

### HAZARD

IMDG Code : 3/III  
UN No. : 1148  
IATA : 3

**Disposal:** : Allow to evaporate in safe open area (applicable for small quantities). 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. The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard(s) :



**Skin irritation**



**Flammable liquids**

|                             |                           |                               |                           |
|-----------------------------|---------------------------|-------------------------------|---------------------------|
| Prepared By : DINESH        | Checked By: RAJU VYAS     | Approved By: S.S.TOLIA        | Issue Date : 01/07/2002   |
| Name/Dept. : Officer (Q.A.) | Name/Dept.:Incharge(Q.A.) | Name/Dept. : Incharge (Tech.) | Revision No.: 02          |
| Sign. :                     | Sign. :                   | Sign. :                       | Revision dt. : 19/07/2010 |
| Date : 17/07/2010           | Date : 17/07/2010         | Date : 19/07/2010             | AMEND NO. : P062          |