



Product Specification

E Control	QC2\DATAD\D:\PS\37035XPS.xls
<b>PRODUCT CODE</b>	<b>37035</b>
<b>PRODUCT NAME</b>	<b>ACETYL ACETONE LR (For synthesis)</b>
SYNONYMS	2,4-Pentanedione
C.I. NO.	N/A
CASR NO.	123- 54- 6
ATOMIC OR MOLECULAR FORMULA	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub>
ATOMIC OR MOLECULAR WEIGHT	100.12
PROPERTIES	The liquid is affected by light, turning brown & forming resins. Combustible.



PARAMETER	LIMIT
Description	A clear liquid not more than 50 Hazen units. (Pale yellow).
Solubility	Miscible with water & methanol forming clear solution.
Minimum Assay (By GC)	98.0%
Wt.per ml at 20 °C	0.971 - 0.974 g
Boiling range (135 - 141 °C)	Min. 95.0%
Refractive index (n) <sub>D</sub> <sup>20</sup>	1.451 - 1.453

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

**DANGER**

**HAZARD STATEMENTS** : May cause respiratory irritation. May cause drowsiness or dizziness. Flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. May be fatal if swallowed and enters airways. Causes skin irritation. Causes eye irritation. May cause allergic skin reaction. Harmful to aquatic life.

**PRECAUTIONARY STATEMENTS** :

**Prevention** : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response** : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

**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.

IMDG Code : 3/III  
UN No. : 2310 IATA  
: 3

Hazard pictogram(s) :



**Flammable liquids Acute toxicity Aspiration hazard**

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. : 13/08/2010
Date : 11/08/2010	Date : 11/08/2010	Date : 13/08/2010	AMEND NO. : P062