

# Material Safety Data Sheet

## 1. IDENTIFICATION OF THE COMPANY AND PRODUCT

**PRODUCT NAME: ACETONE**

**Address / Phone    Solvents with Safety  
Units 4 & 5  
Plum Tree Industrial Estate  
Harworth  
Doncaster  
South Yorkshire  
DN11 8EW**

**Tel 01302 711733**

**Emergency            IN AN EMERGENCY DIAL 999  
Phone No:            For specialist advice in an emergency (office hours)  
                             telephone the company direct.**

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### PRODUCT DESCRIPTION

**ACETONE**

<b>HAZARDOUS INGREDIENT</b>	<b>CAS No.</b>	<b>%w/w</b>	<b>Symbol</b>	<b>R Phrases</b>
Acetone	67.64.1	98	F	R11

## 3. HAZARDS IDENTIFICATION

Highly flammable. Irritating to eyes, respiratory system and skin. Repeated or prolonged exposure to skin may lead to dermatitis.

## 4. FIRST-AID MEASURES

### **Inhalation**

Remove to fresh air but do not walk. If not breathing, give mouth to mouth resuscitation. If breathing is difficult give oxygen. Call a physician.

### **Skin contact**

Remove contaminated clothing. Wash the affected area in flowing water for at least 15 minutes. If irritation continues, take the affected person to hospital or call for an ambulance. Wash contaminated clothing before re-use.

**Eye contact**

Flush thoroughly with water or other suitable eye solution for at least 15 minutes. If irritation continues, take affected person to hospital or call an ambulance.

**Ingestion:**

Swallowing of small quantities is unlikely to cause any reaction. Swallowing of large quantities can be serious. If this has occurred and the casualty is still conscious, instruct him/her to **rinse out** the mouth with water. **DO NOT** induce vomiting. Take the casualty to hospital or call for an ambulance.

**Note to the Physician**

Because rapid absorption may occur through lungs if aspirated and cause systemic effects, the decision of whether to induce vomiting or not should be made by the attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Exposure may increase myocardial irritability. **DO NOT** administer sympathomimetic drugs unless absolutely necessary. No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

<b>5. FIRE-FIGHTING MEASURES</b>
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Flash Point deg C	-18
Flammability limits	Lower 2.6% vol Upper 12.8% vol
Auto Ign. Temp. deg C	465
Extinguishing medium	Water Fog, Dry Powder. <b>Do not use water jet</b>

**SPECIFIC FIRE/EXPLOSION HAZARD:**

**DO NOT** locate containers, which have or have had Acetone in them near to operations which involve arc welding/oxy acetylene equipment. **DO NOT** cut or weld storage tanks, even when concentrations are low.

**SPECIAL FIRE FIGHTING PROTECTION EQUIPMENT:**

Wear self-contained positive pressure respiratory equipment.

<b>6. EMERGENCY MEASURE IN CASE OF SPILLAGE</b>
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Prevent ingress to drains and sewers. Spillages should be cleaned up immediately, under maximum ventilation with dry sand, earth or other inert materials. Place absorbents in polythene bags, drums, etc., and seal. Evacuate area of personnel, except for those persons who will clean up the spillage and they should be fitted with self-contained respiratory apparatus and protective clothing.

## 7. HANDLING AND STORAGE

Avoid sparks, heat and open flame. Keep container tightly closed when not in use. Volatile, avoid handling or use in enclosed situations. Unless suitable respiratory protection is provided. Provide mechanical ventilation if it is likely the occupational exposure limit will be exceeded. The vapour is heavier than air, colourless and spreads along the ground and will collect in pits, sumps, etc.

Ground container and transfer equipment to eliminate static electric sparks. For gaskets and seal use : Compressed asbestos, butyl rubber PTFE. Wear natural rubber gloves and aprons.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Occupational Exposure Limits  
Concentration conversion factor  
1 ppm in air = 2.37mg/m<sup>3</sup>  
Long Term (8hr) 750ppm = 1780mg/m<sup>3</sup>  
Short Term (15 minute) 1500ppm = 3560mg/m<sup>3</sup>

## 9. PHYSICAL DATA

Boiling Range deg C	55-60
Freezing Point deg C	-95
Vapour Pressure <a href="#">mmHg@20</a> deg C	400 mm Hg
Specific Gravity @ 20 deg C	0.79
Appearance	Colourless liquid
Solubility	Water, completely miscible with most other Solvents

## 10. STABILITY AND REACTIVITY

If stored in a sound container in a well ventilated area away from sources of ignition, acetone should remain stable.

Avoid strong oxidising agents.

**Decomposition Products:** Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

Low order of acute toxicity

**Inhalation**

High vapour concentrations are irritating to the respiratory system. Inhalation LC50 (rat) 6700mg/L/4Hr.

**Skin contact**

May cause slight skin irritation. Dermal LD50 (Rabbit) 15688mg/kg. Has skin degreasing properties

**Eye contact**

May cause slight eye irritation

**Ingestion**

Oral LD50 (rat) 1700010700 mg/kg

**12. ECOLOGICAL INFORMATION****BIOACCUMULATION**

The product is not expected to bio-accumulate. Bio-concentration factor for Haddock 0.69

**DEGRADATION**

Readily bio-degradeable in aerobic systems. Partition Coeff.-water/octanol 0.24

**13. DISPOSAL CONSIDERATIONS**

Leading Solvent Supplies operate a licensed Waste Management Site No. EAWML/60047 and registered Carrier of waste (NYK642366/CB). Wherever possible, the material will be recycled. If not suitable for recovery, L.S.S. will arrange disposal of the material in an environmentally acceptable manner, at an approved facility.

Whichever route is adopted, the properties of this material are such that it falls within the Scope of the Environmental Protection Act 1990, part 2, (Special Waste Regs. 1996) and consignments must be pre-notified to the receiving Environment Agency.

**PLEASE NOTE:**

- 1) It is the producer's responsibility to indicate with a single marking, the nature of drum contents. L.S.S. will assist, if necessary.
- 2) The drums must be in sound condition for transport purposes.

**14. TRANSPORT INFORMATION****Road**

UN. No.	1090
ADR Class No.	3
Hazchem Code	2(Y)E
Packing Group	II
Sea Pack	IMDG Code 3102
Air	ICA/IATA Code 1090

Samples, are not allowed to be sent by post.

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