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## **SAFETY DATA SHEET**

### **Acetone**

According to EC-Directive 93/112/EC

#### **1. IDENTIFICATION OF PREPARATION AND OF COMPANY**

<b>Substance name</b>	Acetone
<b>Product code(s)</b>	
<b>Synonyms trade names</b>	Dimethyl Ketone
<b>Company identification</b>	
<b>Emergency Telephone</b>	01305 766 703

#### **2. COMPOSITION ON INGREDIENTS**

Ingredient name	Acetone
Cas Number	67-64-1
Einecs	200 552 2
Hazard	F
Risk	R11
% Weight	100
Preparation is classified as	<b>Highly Flammable (F)</b>

#### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Highly Flammable  
Keep away from sources of ignition  
No Smoking  
Do not breathe vapour  
Take precautionary measures against static discharge  
Keep container in a well-ventilated area.

#### **4. FIRST AID MEASURES**

<b>Eye Contact</b>	Irrigate with clean water for several minutes ensuring the water reaches the corners and under both eyelids. If irritation persists seek medical attention.
<b>Skin Contact</b>	Remove contaminated clothing. Wash affected parts with soap and water. If irritation persists seek medical attention.
<b>Inhalation</b>	Remove person to fresh air. If recovery does not occur seek medical advice.
<b>Ingestion</b>	Do not induce vomiting. Drink milk or water and place in recovery position then seek medical advice.

#### **5. FIRE-FIGHTING MEASURES**

##### **HIGHLY FLAMMABLE CONTAINER MAY BURST IF OVERHEATED**

<b>Extinguishing media</b>	Carbon dioxide; Alcohol Resistant Foam; Dry Chemical Powder or Water Fog. Water spray should be used to cool containers.
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Can accumulate static electricity charges.

**Fire Fighting Protective Equipment**

A self-contained breathing apparatus must be worn in fire conditions.

**Unusual Fire and Exposure Hazards**

Vapour is heavier than air and can travel along the ground with the risk of distant ignition.

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**6. ACCIDENTAL RELEASE MEASURES**

Ensure there are no sources of ignition. If necessary evacuate personnel from area. Avoid breathing vapour. Contain and absorb with sand or a proprietary material, sweep up and dispose of as highly flammable waste. Product must not enter drains, if this occurs inform fire service and water authority.

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**7. HANDLING AND STORAGE**

Store in closed, labelled containers, away from sources of heat and Ignition, in a well-ventilated area. Exclude other flammable and oxidising agents. Ensure storage vessels and transfer equipment are earth bonded to avoid static charge.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Impervious Gloves and eye protection should be worn to avoid contact with skin and eyes. Avoid breathing vapour and ensure good ventilation. In areas of high concentration, a self-contained breathing apparatus should be worn.

<b>OES Values</b>	Acetone 750ppm	1780mg/m <sup>3</sup>	8 hours TWA
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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form</b>	Liquid	<b>Solubility in water</b>	Complete
<b>Appearance/Odour</b>	Clear/Solvent	<b>Sp GRAV</b>	0.79 @ 20°C
<b>Boiling Point (C)</b>	55°C (initial)	<b>Vapour Pressure</b>	181
<b>Flash Point (C)</b>	-18°C	<b>Vapour Density</b>	2.0 (Air = 1.0)
<b>Auto Flammability</b>	Lower 2.6% Upper 13.0%	<b>Oxidising Properties</b>	N/A
<b>Auto Ignition</b>	538°C	<b>ph Value</b>	N/A

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**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable
<b>Hazardous Reactions</b>	Keep away from oxidising agents Sulphuric and Nitric acids.
<b>Conditions to avoid</b>	Avoid naked flames, red-hot surfaces and other high temperature sources that may induce thermal decomposition.
<b>Hazardous decomposition Products</b>	Burning will produce Carbon Monoxide and/or Carbon Dioxide.

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**11. TOXIOLOGICAL INFORMATION**

<b>Eye Contact</b>	Liquid is a moderate eye irritant.
<b>Skin Contact</b>	Slightly irritating with a defaulting action.

<b>Inhalation</b>	Vapour is irritating to the upper respiratory tract. High concentrations may cause narcosis and systemic effects.
<b>Ingestion</b>	Unlikely to result in adverse health effects.

## 12. ECOLOGICAL INFORMATION

### Environmental Fate and Product does not bio accumulate

#### Distribution

**Ecotoxicity** LD50 Daphnia 10mg/litre

**Biodegradability** Product biodegrades by 76% after 10 days. Product is an oxygen depletent in surface waters.

## 13. DISPOSAL INFORMATION

Do not empty into drains.

Wherever possible the preparation should be recovered.

Where this is not possible disposal should be with a registered waste disposal contractor as Highly Inflammable waste.

## 14. TRANSPORT INFORMATION

<b>Conveyance</b>	1090	<b>Supply</b>	
<b>Sin</b>		<b>Safety Phrases</b>	9/16/23/33
<b>Pacing Group</b>	11	<b>Risk Phrases</b>	R11
<b>Tremcard</b>	30	<b>Supply Symbol</b>	Flaming Torch
<b>Classification</b>	Flammable Liquid		Highly Flammable
<b>Emergency Action Code</b>	HAZCHEM 2 Y E		

## 15. REGULATORY INFORMATION

- Classification, Packaging and Labelling of dangerous substances regulations 1984.
- Environmental Protection Act 1980.
- Environmental Protection (duty of care) regulations 1991.
- Highly Flammable liquids and Liquidified Petroleum Gases regulations 1972.
- Chemicals, Hazardous information and Packaging 1993.
- Control of Pollution (Special Wastes) regulations 1980.

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