

# ACETONE

# SAFETY DATA SHEET

According to EC-Directive 93/112/EC

## 1) IDENTIFICATION OF PREPARATION AND OF COMPANY.

Substance name	<b>Acetone</b>
Product code(s)	
Synonyms trade names	Dimethyl Ketone
Company identification	
<b>Emergency Telephone</b>	<b>01942 518150</b>

## 2) COMPOSITION OF INGREDIENTS

Ingredient name	Acetone
Cas Number	67-64-1
Einecs	200 552 2
Hazard	F
Risk	R11
% Weight	100

Preparation is classified as **Highly Flammable (F)**

## 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**

**Extinguishing Media** Carbon dioxide;  
Alcohol Resistant Foam;  
Dry Chemical Powder or Water Fog.  
Water spray should be used to cool containers.  
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.

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.

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.

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.

**OES Values** Acetone 750ppm 1780mg/m<sup>3</sup> 8 hours TWA

9) **PHYSICAL AND CHEMICAL PROPERTIES**

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

## 10) STABILITY AND REACTIVITY

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

## 11) TOXIOLOGICAL INFORMATION

Eye Contact	Liquid is a moderate eye irritant
Skin Contact	Slightly irritating with a defaulting action.
Inhalation	Vapour is irritating to the upper respiratory tract. High concentrations may cause narcosis and systemic effects.
Ingestion	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

<u>Conveyance</u>			<u>Supply</u>	
Sin		1090	Safety Phrases	9/16/23/33
Pacing Group	11		Risk Phrases	R11
Tremcard	30		Supply Symbol	Flaming Torch
Classification		Flammable Liquid	Key Words	Highly Flammable
Emergency Action Code		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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