

Material Safety Data Sheet-COSHH

Acetone

Acetone/MSDS/Jan15

Safety Data Sheet

According to EC-Directive 93/112/EC

1. Identification of the substance/preparation and the company undertaking

Substance name:

Acetone

Product code:

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Synonyms/trade names:

Dimethyl Ketone

Company identification

Tuff Waterproofing Limited

Emergency Telephone number

01977 680 250

2. Composition of ingredients

Ingredient Name	Cas Number	Elnecs	Hazard	Risk	Weight (%)
Acetone	67-64-1	200 552 2	F	R11	100

Preparation is classed as:

Highly Flammable

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

Affected Area	Action
Eye contact	Irrigate with clean water for several minutes ensuring the water reaches the corners and under both eyelids. If irritation persists seek medical attention.
Skin contact	Remove contaminated clothing. Wash affected parts with soap and water. If irritation persists seek medical attention.
Inhalation	Remove person to fresh air. If recovery does not occur seek medical attention.
Ingestion	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.

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/m³

8 hours TWA

9. Physical and chemical properties

Physical form

Liquid

Appearance/odour

Clear/solvent

Boiling point (°C)

55°C (initial)

Flash point (°C)

-18°C

Auto flammability

Lower

2.6%

Upper

13%

Auto ignition

538°C

Solubility in water

Complete

Specific Gravity

0.79@20°C

Vapour pressure

181

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Vapour density

2.0 (Air =1.0)

Oxidising properties

N/A

Ph value

N/A

10. Stability and reactivity

Stability

Stable

Hazardous reactions

Keep away from oxidising agents.

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. Toxicological 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 systematic effects.

Ingestion

Unlikely to result in adverse health effects.

12. Ecological information

Environmental fate and product does not bio accumulate.

Distribution

Ecotoxicity LD50 Daphia 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

Conveyance

Sin 1090

Packing group 11

TREM card 30

Classification Flammable liquid

Emergency action code HAZCHEM 2 Y E

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Supply

Safety phrases	9/16.23.33
Risk phrases	R11
Supply symbol	Flaming torch
Key words	Highly Flammable

15. Regulatory information

Classification, packaging and labelling of dangerous substances regulation 1984
Environmental protection act 1980
Environmental protection (duty of care) regulation 1991
Highly Flammable liquids and Liquidified Petroleum Gases regulation 1972
Chemicals, Hazardous information and Packaging 1993
Control of pollution (Special Wastes) regulation 1980