

Safety Data Sheet For Acetone

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: ACETONE

Company Identification: Brenntag UK Ltd
Albian House
Greenlane
Yeadon
Leeds LS19 7XX

Emergency Contact: 01865 407 333

2. Substance Identification: -

Material/Trade name : Acetone
Material type: Solvent

3. Composition:	Substance	% Wt.	Cas number	Eec number
	Acetone	100	67-64-1	200-662-2

4. Hazard Identification: Highly flammable

Risk & safety: Highly flammable
Keep container in well ventilated place
Keep away from sources of ignition-No smoking
Do not breath vapour
Take precautionary measures against static discharges

5. First aid measures:

Inhalation Remove to fresh air and rest
If recovery is not rapid obtain prompt medical attention

Eyes Irrigate with water for at least 15 minutes
If irritation persists then consult a doctor

Skin Remove contaminated clothing
Wash with soap/cleanser and rinse with plenty of water
If irritation persists, obtain medical attention

Ingestion Do not induce vomiting
Give plenty of water to drink
Beware of aspiration if vomiting occurs
Seek medical attention immediately

6. Fire-fighting measures:

Suitable extinguishers Dry powder - Blue
Alcohol resistant foam
Carbon dioxide (CO₂) - Black

Unsuitable extinguishers Do not use water jets

Hazardous decomposition Decomposes to produce irritating fumes

Special procedures Use approved self-contained breathing apparatus
Wear fire retardant clothing
Use water spray to cool containers
Use water fog to disperse vapours and leaks that have not ignited

7. Accidental Release Measures:

Exposure controls Ventilate area
Eliminate all sources of ignition
Do not allow spill to enter drains and watercourses
Isolate the spillage

Personal Protection: Wear rubber gloves
Use eye protection such as goggles to BS2092 Chemical Grade
Wear suitable respirators for large spillages and in confined spaces

Disposal Consideration: Absorb in inert material such as sand or absorbent granules
Scoop up and place in plastic container to await transfer
Dispose of in accordance with local Authority Regulations

8. Handling and Storage:**Handling**

Avoid inhalation of vapour
Ensure adequate ventilation
Use local extraction equipment where possible
Avoid skin contact
Avoid eye contact
Avoid sources of ignition
Wear suitable Protective clothing (See section 8)

Storage

Store in tightly closed labelled containers
Containers should be earthed
Store in cool, dry, well ventilated area
Store away from ignition sources
Store in labelled lockable metal flammable stores

9. Exposure Controls:**Occupational exposure limit:**

8hrTWA/15minSTEL: 750ppm/1500ppm Acetone

Biological exposure limit:

Not assigned

Wear rubber gloves

Keep skin covered

Use in well ventilated areas, mechanical control takes precedence

Use a suitable respirator, when OEL is likely to be exceeded, filter type A

Wear suitable eye protection such as BS2092 Chemical Grade

10. Physical & Chemical Properties

Appearance:	Clear colourless liquid
Odour:	Characteristic
Ph	
Boiling Point/range	56°C
Melting Point/range	-94°C
Flash Point	-17°C
Flammability	Highly flammable
Autoflammability	540°C
Explosive Properties	2.5% lel, 13.0 uel
Oxidising Properties	None
Vapour Pressure	24.66Kpa at 20°C
Relative Density	0.792 (15°C/4°C)
Solubility	Completely soluble in water
Partition coefficient	
Miscibility	Miscible with many organic solvents
Vapour Density	2.42 g/l at 20°C
Evaporation Rate	2 (ether=1)
Viscosity	0.42 c.St. at 20°C

11. Stability and Reactivity:

Stability: Stable at normal temperatures
Materials to Avoid: Oxidising agents
Conditions to Avoid: Sources of Ignition
Conditions to Avoid: Heat
Conditions to Avoid: Direct sunlight
No Hazardous Decomposition Products When Stored and Handled Correctly

12. Toxicological Information:

Routes of Exposure: Inhalation and Ingestion
Acetone Orl-Rat LD50: 5800mg/kg
Acetone Inh-Rat LC50: 50100mg/m³/8H
Health Effects: Irritating to eyes, skin and respiratory tract
Health Effects: May defat the skin
Health Effects: Repeated skin contact may cause dermatitis
Health Effects: Inhalation may cause depression of the CNS
Chronic Effects: May cause kidney and liver damage

13. Ecological Information: Readily Biodegradable
Persistence: Photochemical degradation in the atmosphere
Bioaccumulative Potential: Does not bioaccumulate
Mobility: Mobile, volatile liquid
Mobility: May penetrate soil causing ground water contamination
Ecotoxicity: Dangerous to Aquatic Life in High Concentrations

14. Disposal Considerations: Waste materials must be treated as a fire hazard
Do not discharge into drains or watercourses
Dispose of in accordance with Local authority Regulations

15. Transport Information:

UN/SI Number: 1090
IMO: Class 3.2 Packing Grp: II Marine Pollutant: No
IATA/ICAO: Class 3 Packing Grp: II
ADR/RID: Class 3 Item: 3(b)
Transport Name: UK Road - ACETONE
Hazchem/Kemler Code: 2(YJE/33)

16. Regulatory Information:

(a) Hazard Symbols: Highly flammable
(b) Risk & Safety: HIGHLY FLAMMABLE
Keep container in well ventilated place
Keep away from sources of ignition-No smoking
Do not Breathe Vapour
Take Precautionary Measures Against Static Discharges

© Other Regulations: Health & Safety at work Act 1974
Control of Substances Hazardous to Health Regulations 1994
Environmental Protection Act 1990

(d) Transport Information:

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17. Other information: Not Applicable

This Data Sheet is compiled to be of assistance but is without guarantee. Users are responsible for safe working.

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