

ACETONE

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Acetone
CAS Number: 67-64-1
EC / List Number: 200-662-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Industrial use

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Highly flammable, irritating to eyes. Repeated exposure may cause skin dryness or cracking

2.2 Label elements



2.3 Other hazards

In use, may form flammable / explosive vapour-air mixture

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Section 3: Composition/information on ingredients

3.2 Mixtures

CAS #	Content (W/W)	Ingredients
67-64-1	>90%	Acetone

Chemical name: Propanone

Common name / synonyms: Acetone

Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: There may be irritation and redness at the site of contact. Remove affected person from source of contamination. Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are affected or if irritation persists, seek medical advice. Continue washing skin for at least 20 minutes.

In case of eye contact: There may be irritation and redness. The eyes may water profusely. Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention.

If swallowed: There may be soreness and redness of the mouth and throat. Rinse mouth thoroughly. Get medical attention immediately. Keep warm and at rest. If there is difficulty in breathing give oxygen. If breathing stops or shows signs of failing, apply artificial respiration.

If inhaled: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing and wheezing. Move to fresh air. Obtain medical attention. Keep the affected person warm and at rest.

If unconscious and breathing is OK, place in the recovery position. If breathing stops or shows signs of failing, give artificial respiration.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers. DO NOT USE WATER JETS.

5.2 Special hazards arising from the substance or mixture

Highly flammable. In combustion emits oxides of carbon. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus for fire-fighting if necessary. Water may be ineffective but use to keep fire-exposed containers cool and disperse vapours. Avoid water in straight hose stream, will scatter and spread fire.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leakside up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean up procedure which may produce sparks

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Steel drums. Do not use plastic containers.

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Section 8: Exposure controls/personal protection

8.1 Engineering measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

8.2 Personal protective equipment

Eye/face protection: If risk of splashing, wear safety goggles or face shield. Eyewash bottle with clean water.

Hand protection: Butyl rubber gloves. Use gloves with long sleeves.

Skin protection: Solvent resistant protective clothing.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Colourless
Physical State	Liquid
Odor	Pungent
Odor Threshold	No data available
pH	No data available
Melting Point/Range	-95 C
Boiling Point/Range	56-58 C
Flash Point	-18 C
Evaporation Rate	Moderate
Flammability (solid, gas)	Limits % (lower = 2.60) (upper = 13.0)
Explosion Limits	No data available
Vapor Pressure	24.70kPa@20C
Vapor Density	No data available
Specific Gravity / Density	Relative density = 0.793
Bulk Density	Not applicable
Water Solubility	Highly soluble
Solubility in other solvents	Also soluble in most organic solvents
Partition Coefficient	0.24@20C
Auto-ignition temperature	No data available
Decomposition temperature	No data available

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Section 10: Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical Stability	Stable under normal conditions. Stable at room temperature
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Heat. Hot surfaces. Sources of ignition. Flames. Static discharge
10.5 Incompatible materials	Strong oxidising agents. Strong acids
10.6 Hazardous decomposition products	In combustion emits Oxides or Carbon

Section 11: Toxicological Information

Product Information

11.1 Toxicological effects:

11.2 Acute Toxicity:

IVN RAT LD50 5500 mg/kg

ORL MUS LD50 3mg/kg

ORL RAT LD50 5800 mg/kg

11.3 Delayed and immediate effects and chronic effects from short- and long-term exposure:

No data available

11.4 Numerical measures of toxicity (such as acute toxicity estimates):

No data available

11.5 Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Not listed

Section 12: Ecological Information

12.1 Toxicity

Ecotoxicity effects

Mobility: Readily absorbed into soil

Persistence and degradability: Product is not expected to bioaccumulate. The product is readily biodegradable in aerobic systems, using either salt water or fresh water inocula

Bioaccumulative potential: No bioaccumulative potential

Other adverse effects: Negligible ecotoxicity

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Section 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal of substance:

Incinerate in suitable combustion chamber. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. R1 Solvent reclamation/regeneration

Section 14: Transport Information

ADR/RID:

UN no: 1090

ADR Class: 3

Packing group: II

Classification code: F1

Shipping name: ACETONE

Labelling: 3

Hazard ID no: 33

**IMDG:**

UN no: 1090

Class: 3

Packing group: II

EmS: F-E,S-D

Marine pollutant: NO

Labelling: 3

IATA: Not dangerous goods

UN no: 1090

Class: 3

Packing group: II

Packing instructions: 305(P&CA); 307(CAO)

Labelling: 3

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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Section 15: Regulatory Information

Risk phrases:

R11: Highly flammable

R36: Irritating to eyes

R66: Repeated exposure may cause skin dryness or cracking

R67: Vapours may cause drowsiness or dizziness

Safety phrases:

S9: Keep container in a well-ventilated place

S16: Keep away from sources of ignition – No smoking

S25: Avoid contact with eyes

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37: Wear suitable gloves

S33: Take precautionary measures against static discharges