

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

1.1 Product identifier

| | |
|--------------|-----------------|
| Product name | ACETIC ACID 10% |
| CAS-No. | 64-19-7 |
| Product code | AR1444 |

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

| | |
|-----------------|---------------------------------------|
| Identified uses | Chemical for analysis and production. |
|-----------------|---------------------------------------|

1.3 Details of the manufacturer of the safety data sheet

| | |
|------------------|---|
| Manufacturer | RCI LABSCAN LIMITED. 24 Rama 1 Road, Pathumwan, Bangkok 10330 Thailand |
| Telephone number | (662) 613-7911-4 |
| Fax number | (662) 613-7915 |

1.4 Emergency Telephone Number

| | |
|-----------------|------------------|
| Emergency phone | (662) 613-7911-4 |
|-----------------|------------------|

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary statement(s)

P264 + P265

Wash hands thoroughly after handling. Do not touch eyes.

P280

Wear protective gloves/eye protection/face protection.

P302 + P352

IF ON SKIN: Wash with plenty water.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P317

If skin irritation occurs: Get medical help.

P337 + P317

If eye irritation persists: Get medical help.

P362 + P364

Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixture**Acetic acid**

Synonyms -

| | | | | | |
|---------|-----------|--------------|----------------------|------------------|----------|
| CAS-No | EC-No | EC-Index-No | Formula | Molecular Weight | Weight % |
| 64-19-7 | 200-580-7 | 607-002-00-6 | CH ₃ COOH | 60.05 g/mol | 10 |

Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component | CAS-No | Formula | Concentration (%) | Classification |
|-------------|-----------|----------------------|-------------------|--|
| Acetic acid | 64-19-7 | CH ₃ COOH | 10 | Flammable liquid (Category 3), H226 Skin corrosion (Category 1A), H314 Serious eye damage (Category 1), H318 |
| Water | 7732-18-5 | H ₂ O | 90 | - |

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures**4.1 Description of first aid measures**

| | |
|----------------|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Move to fresh air in case of accidental inhalation of vapors. Keep patient warm. In case of shortness of breath, give oxygen. Apply artificial respiration only if patient is not breathing or under medical supervision. No artificial aspiration mouth to mouth or mouth to nose. Use suitable instruments/apparatus. |
| Skin contact | Remove contaminated clothing and wash affected skin with soap and water. Dab with polyethylene glycol 400. If signs of poisoning appear, treat as for inhalation. Obtain medical attention. Wash contaminated clothing before reuse. Contaminated combustible material, e.g. clothing ignites more readily and burns fiercely. |
| Eye contact | If the substance has got into the eyes, immediately wash out with plenty of water at least 15 minutes. Obtain medical attention. |
| Ingestion | Rinse mouth. Do not induce vomiting. Keep patient warm. In case of shortness of breath, give oxygen. Apply artificial respiration only if patient is not breathing or under medical supervision. No artificial aspiration mouth to mouth or mouth to nose. Use suitable instruments/apparatus. Obtain medical attention. Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in section 2.2 and section 11

4.3 Indication of any immediate medical attention and special treatment needed

After swallowing: make victim drink water (two glasses at the most), avoid vomiting (risk of perforation).
Immediately call in physician. Do not attempt to neutralize.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Extinguish with carbon dioxide, dry chemical, foam or water spray. In the event of fire, cool tanks with water spray.

5.2 Special hazards arising from the substance or mixture

Development of hazardous combustion gases or vapors possible in the event of fire. The following may develop in event of fire: Acetic acid vapors.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

5.4 Further information

Standard procedure for chemical fires.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Do not breathe vapors or spray mist. Remove all sources of ignition. Wear a positive-pressure supplied-air respirator, flame retardant antistatic protective clothing. Shut off leaks if without risk. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

Contain or absorb leaking liquid with sand or earth, consults an expert. Prevent liquid entering sewers, basements and workpits. If substance has entered a water course or sewer or contaminated soil, advise police.

6.3 Methods and materials for containment and cleaning up

Spillage: Soak up with inert absorbent material (e.g. sand, silica gel or chemical absorbent pads). Prevent liquid entering sewers, basements and workpits; vapor may create explosive atmosphere. Transfer to covered steel drums. Dispose of promptly.

6.4 Reference to other sections

For disposal see **Section 13**.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Keep container tightly closed. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not empty into drains.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep out of direct sunlight and away from incompatible materials. Store in original container. Electrical equipment should be protected to the appropriate standard. Requirements for containers, no metal containers.

Storage class 8A (TRGS 510); Combustible, corrosive hazardous materials.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****8.2 Exposure controls****Appropriate engineering controls**

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Ventilation hoods and fans required when working with organic solvents or in hot melt applications.

Individual protection measures (Personal protective equipment, PPE)**Eye/face protection**

Goggles giving complete protection to eyes.

Skin protection

Chemical resistant apron / flame retardant antistatic protective clothing, heavy duty work shoes.

Handle with gloves

- Full contact wears gloves from butyl rubber material.
- Splash contact wears gloves from natural latex material.

The select protective gloves have to satisfy the specifications of EU Directive 89/686 EEC and standard EN 374 derived from it.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Required when vapor/aerosols are generated filter E-(P2) (EN 141 or EN 14387).

Environmental exposure controls

Prevent liquid entering sewers, basements and workpits.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

| | |
|---|--|
| Physical State | Liquid |
| Color | Colorless |
| Odour | Pungent |
| Odour Threshold | Not Available |
| pH | Not Available |
| Melting point/range | Not Available |
| Boiling point/range | Not Available |
| Flash point | Not Available |
| Evaporation rate | Not Available |
| Flammability (solid, gas) | Not Available |
| Explosion limits: lower | Not Available |
| upper | Not Available |
| Vapor Pressure | Not Available |
| Relative Vapor Density | Not Available |
| Density | 1.01 g/ml at 20°C |
| Water solubility | Soluble at 20°C |
| Partition coefficient (n-octanol/water) | Not Available |
| Auto-Ignition temperature | Not Available |
| Decomposition Temperature | Not Available |
| Viscosity | Not Available |
| Explosive properties | Not Explosive |
| Oxidizing properties | The substance or mixture is not classified as oxidizing. |

SECTION 10: Stability and reactivity**10.1 Reactivity**

Not Available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Not Available

10.4 Conditions to avoid

Not Available

10.5 Incompatible materials

Not Available

10.6 Hazardous decomposition products

Acetic acid vapors, carbon monoxides, carbon dioxides (Hazardous decomposition products from under fire condition).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture

Acute toxicity

Not Available

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not Available

Germ cell mutagenicity

Not Available

Carcinogenicity

Not Available

Reproductive toxicity

Not Available

Specific target organ toxicity (STOT) - single exposure

Not Available

Specific target organ toxicity (STOT) - repeated exposure

Not Available

Aspiration hazard

Not Available

Further information

Not Available

SECTION 12: Ecological information

Mixture

12.1 Toxicity

Not Available

12.2 Persistence and degradability

Not Available.

12.3 Bioaccumulative potential

Not Available

12.4 Mobility in soil

Not Available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Biological effects; Harmful effect on aquatic organisms. Harmful effect due to pH shift. Caustic even in diluted form.

Do not allow to enter waters, waste water or soil.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding law and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste or burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Contaminated packaging

Disposal in compliance with official regulations. Handle contaminated packaging as hazardous waste in the same way of the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

SECTION 14: Transport information**Land Transport (ADR/RID)**

| | |
|------------------------------|----------------------|
| UN Number | 2790 |
| UN proper shipping name | ACETIC ACID SOLUTION |
| Transport hazard class(es) | 8 |
| Packing group | III |
| Environmental hazards | No |
| Special precautions for user | Yes |

Sea transport (IMDG)

| | |
|------------------------------|----------------------|
| UN Number | 2790 |
| UN proper shipping name | ACETIC ACID SOLUTION |
| Transport hazard class(es) | 8 |
| Packing group | III |
| Marine pollutant | No |
| Special precautions for user | Yes |
| EmS | F-A S-B |

Air transport (IATA)

| | |
|----------------------------|----------------------|
| UN Number | 2790 |
| UN proper shipping name | ACETIC ACID SOLUTION |
| Transport hazard class(es) | 8 |
| Packing group | III |

| | |
|------------------------------|----|
| Environmental hazards | No |
| Special precautions for user | No |

River transport (AND/ADNR)
(Not examined)

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not Available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Recommended restrictions

Take notice of labels and safety data sheets for the working. Chemicals Take necessary action to avoid static electricity discharge.

Reference

Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Labelling according to EC Directives 67/548 EEC and Regulation (EC) No 1272/2008.

Transportation information according to Recommendations on the Transport of Dangerous Goods, Model Regulations. Twelfth revised edition. United Nations.

Institute for Occupational Safety and Health of the German Social Accident Insurance in Sankt Augustin/Germany,

Source: IFA for Databases on hazardous substances (GESTIS).

Further information

Contact to RCI Labscan Limited.

Revision Date

16/05/2025

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.