



SAFETY DATA SHEET

Acetone

Preparation

Date: 12.11.2024

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY IDENTITY

Product Identifier

Identification of the Substance : Acetone

Recommended Use : Solvent, Industrial applications, Pharmaceutical industry, Laboratory use, Varnish remover.

Suppliers Details

Company Address : Solco Solutions (PTY) LTD
165 Peaceway
Drummond, Durban,
KZN, South Africa

Emergency Telephone Number : +27 82 352 0152 (Office hours)
e-mail : info@solcosolutions.co.za

2. HAZARD IDENTIFICATION

This safety data sheet is provided as a courtesy to convey information and help assist in the safe handling and proper use of this product during transport and storage.

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272 /2008

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

Specific target organ toxicity – single exposure (Category 3), H336

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Labelling according to Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statements

H225

H319

H336

Highly flammable liquid and vapor
Causes serious eye irritation.
May cause drowsiness or dizziness



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Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical / ventilating / lighting/equipment.
P242	Use non-sparking tools.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P370+P378	IN CASE OF FIRE: Use dry sand, dry chemical or alcohol resistant foam to extinguish.

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The ingredients in the product do not result in exposure to hazardous chemicals

INCI Name	CAS Number	EC-No	Concentration % v/v	Classification
Acetone	67-64-1	200-662-8	≤100	Flamm. 2 (H225) Eye Irrit. 2 (319) STOT SE 3 (H336)

4. FIRST AID MEASURES

<u>Skin Contact</u>	: Take off immediately all contaminated clothing. Rinse skin with plenty of water/ shower. If skin irritation occurs, get medical advice.
<u>Eye Contact</u>	: Immediately rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if safe to do so. Contact doctor if irritation persists.
<u>Inhalation</u>	: Remove victim to fresh air. If symptoms persist, call a physician.
<u>Ingestion</u>	: Make victim to drink plenty of water. Obtain medical attention.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY

Notes to Physician: Treat symptomatically.



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5. FIRE FIGHTING MEASURES

Hazard Type

Highly flammable

Suitable Extinguishing media

Foam dry chemical or Carbon Dioxide.

Unsuitable Extinguishing media

For this substance no limitations of extinguishing agents are given.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

Special hazards arising from the substance or mixture

Carbon oxides. Flash back possible over considerable distance. Vapours are heavier than air and may spread along floors. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.

Further information

Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Keep people away from leak. Do not breathe vapours. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition.

Protective Equipment

Use personal protective equipment, e.g., safety glasses, masks and suitable gloves.

Environment Precautions

Prevent product entering drains. Prevent further leakage or spillage if safe to do so. Risk of explosion.

Methods and materials for containment and cleaning up

Contain spill using sand or other absorbent material (e.g. sand, universal binder, sawdust). Collect residues and seal in drums labelled for disposal according to local regulations. Clean up affected area.

7. HANDLING AND STORAGE

Precautions for safe handling

: Wear personal protective equipment. Do not inhale substance / mixture. Take precautionary measures against static discharge. Ensure all equipment is electrically grounded before transfer operations. No smoking.



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Storage Conditions

- : Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment.
- : Store in a dry and well-ventilated place away from sunlight, ignition sources, heat, oxidizing agents, away from food, drink and animal foodstuffs. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls: Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective controls:

- Eye/face protection : Safety glasses with side shields.
- Hand / Skin protection : Use suitable gloves (butyl-rubber) for permanent contact. Protective suit and safety shoes.
- Hygiene measures : Wash hands before and immediately after handling the product.
- Environmental exposure controls: Keep container tightly sealed when not in use. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance</u> (Physical state, Colour, etc.):	Clear, liquid.
<u>Odour</u> :	Pungent.
<u>Colour</u> :	Colourless
<u>Solubility in water</u> :	Soluble, in all proportions
<u>Density at 20°C</u> :	0.7894 g/cm ³
<u>Vapour pressure at 20°C</u> :	245.3 hPa
<u>Flash point</u> :	-17°C – closed cup

10. STABILITY AND REACTIVITY

Chemical stability

The product is chemically stable under normal ambient and anticipated storage and handling conditions.

Conditions to avoid

Avoid heat, sparks, open flames, ignition sources and contact with incompatible materials.

Hazardous decomposition products

No decomposition if stored at ambient temperatures.

Incompatible materials

No data available



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11. TOXICOLOGICAL INFORMATION

Product information

Information on likely routes of exposure

Inhalation

May cause irritation of upper respiratory tract. Overexposure may result in headache, dizziness, nausea, shortness of breath and vomiting.

Skin Contact

This mixture is considered a skin irritant

Eye Contact

Causes serious eye irritation

Ingestion

Harmful if swallowed. Symptoms may be abdominal pain and nausea. Aspiration into lung can cause chemical pneumonitis which can be fatal.

Acute toxicity

Based on available data, the classification criteria are not met. No toxicological data available.

Skin Corrosion/Irritation

Based on available data, the classification criteria are not met. No toxicological data available.

Serious Eye Damage/Eye Irritation

Based on available data, causes serious eye irritation.

Respiratory or Skin Sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive Toxicity

No data available.

Specific target organ toxicity- single exposure

May cause drowsiness or dizziness. Central nervous system.

Remarks: Classified according to Regulation (EU) 1272/2008. Annex VI (Table 3.1/3.2)

Specific target organ toxicity- repeated exposure

No data available

Aspiration hazard

No data available



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12. ECOLOGICAL INFORMATION

Eco-Toxicity

Toxic to fish. Toxic to algae.

Persistence and degradability

It is expected to be readily biodegradable. In air is expected to rapidly degrade in air..

Bio-Accumulative Potential

Does not bioaccumulate.

Mobility in soil

No data available

13. DISPOSAL CONSIDERATIONS

Disposal considerations

The product should be disposed of in accordance with local regulations and should not be directly entered into sewage systems, nor should it be disposed of into the local environment.

14. TRANSPORT INFORMATION

DG Pictogram



CLASSIFICATIONS FOR TRANSPORT UNDER:

ADR	: European agreement on the International Carriage of Dangerous Goods by Road. UN number:1090 UN proper shipping name: Acetone Transport hazard class: 3 Packaging group: II Environmental hazards: No
RID	: Regulations concerning International Carriage of Dangerous Goods by Rail UN number:1090 UN proper shipping name: Acetone Transport hazard class: 3 Packaging group: II



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ICAO/IATA	Environmental hazards: No
	: International Air Transport Association Standard for transportation of Dangerous by Air
	UN number:1090
	UN proper shipping name: Acetone
	Transport hazard class: 3
IMO/IMDG	Packaging group: II
	Environmental hazards: No
	: International Maritime Dangerous Goods Code
	UN number:1090
	UN proper shipping name: Acetone
	Transport hazard class: 3
	Packaging group: II
	Marine Pollutant: No

15. REGULATORY INFORMATION

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

- Seveso-III Directive (Directive 2012/18/EU) on the control of major-accident hazards involving dangerous substances
- Authorisation and/ or restriction on use: Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.
- Occupational Health and Safety Act 85 of 1993

16. OTHER INFORMATION

Revision of Safety Data Sheet	Revision Date	Revision Number
	12 th November 2024	Revision 1.0
Reason for revision	First Issue	
Abbreviations	PPE: Personal Protective Equipment STOT: Specific Target Organ Toxicity H225: Highly flammable liquid and vapour H319: Causes severe eye irritation H 336: May cause drowsiness or dizziness	

DISCLAIMER

The information contained in this Safety Data Sheet is based upon the prevailing knowledge and information available at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality inspection.

The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.