

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE : 31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 1 of 8

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

1.1. Product identifier

Trade name : ACETONE
Product code : 31000
Identification of the product : ACETONE
CAS No : 67-64-1

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,
Mumbai – 400 002 (INDIA)
Tel:+91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.
Email : info@molychem.net
Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat
Textile Co.,Kulgaon, Badlapur (E), Dist.-Thane-421 503.

1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

2. Hazards identification –DSD

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flammable liquids (Category 2), H225

Eye irritation (Category 2), H319

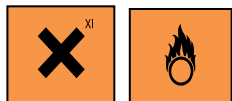
Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336

2.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : F : Highly flammable

Xi : Irritant



R Phrase(s) : R11 : Highly flammable.
R36 : Irritating to eyes.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.
S Phrase(s) : S2 : Keep out of the reach of children.
S9 : Keep container in a well-ventilated place.
S16 : Keep away from sources of ignition - No smoking.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE : 31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 2 of 8

medical advice.

S46 : If swallowed seek medical advice immediately

Labelling Regulation EC 1272/2008 (CLP)



Hazard pictograms

Signal words : Danger

Hazard statements :

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard information (EU) EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards : 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

3.1 Substances

Synonyms : Acetone
Molecular weight : 58.08 g/mol
CAS-No. : 67-64-1

4. First aid measures

4.1. Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance.

If inhaled

After inhalation: fresh air.

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE :31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 3 of 8

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

In case of eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

5.1. Extinguishing media

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Carbon oxides

Pay attention to flashback.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air at ambient temperatures.

5.3. Advice for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains. Risk of explosion.

6.3. Methods and material for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4. Reference to other sections

For disposal see section 13.

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE :31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 4 of 8

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance. For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place.

Keep away from heat and sources of ignition.

Storage class

Storage class (TRGS 510): 3: Flammable liquids

7.3. Specific end use(s)

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

8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

Respiratory protection : Wear approved mask.

Hand protection : Wear protective gloves.

Skin protection : Wear suitable protective clothing.

Eye protection : Chemical goggles or safety glasses.

Others : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Clear liquid

Color colorless

Odor pungent, weakly aromatic

Melting point/freezing point Melting point/range: -94.8 °C - dec.

Initial boiling point and boiling range 56.0 °C

Flammability (solid, gas) Extremely flammable Highly flammable liquid and vapour.

Upper/lower No data available

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE : 31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 5 of 8

flammability or explosive limits
Flash point -17,0 °C - closed cup
Autoignition temperature 465.0 °C
Decomposition temperature Distillable in an undecomposed state at normal pressure.
pH 5 - 6 at 395 g/l at 20 °C
Viscosity Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Water solubility soluble, in all proportions
Partition coefficient:
n-octanol/water No data available
Vapor pressure 533.3 hPa at 39.5 °C
245.3 hPa at 20.0 °C
Density 0.79g/cm³ at 20 °C
Relative density No data available
Relative vapor density No data available
Particle characteristics No data available
Explosive properties No data available
Oxidizing properties None

9.2. Other information

Conductivity 0.01 µS/cm at 20 °C
Surface tension 23.2 mN/m at 20.0 °C

10. Stability and reactivity

10.1. Reactivity

Vapors may form explosive mixture with air

10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Warming.

10.5. Incompatible materials

Bases, Oxidizing agents, Reducing agents, Acetone reacts violently with phosphorous oxychloride. Strong oxidizing agents

10.6. Hazardous decomposition products

In the event of fire: see section 5

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE :31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 6 of 8

Skin corrosion/irritation : No data available
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

12. Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data 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 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions
Product/Packaging disposal recommendations : Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as nonhazardous waste.

Material Safety Data Sheet



ACETONE

VERSION : 03
DATE OF ISSUE :31-01-2022
SUPERSEDES : 02

Product Code : 31000

Page 8 of 8

handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document

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Email : info@molychem.net

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