

**MATERIAL SAFETY DATA SHEET**

MSDS No.

B-02

ACETONE

Effective  
From

25.06.2020

**SECTION # 1: Product Information****Trade Names/Synonyms:** Acetone**CAS NO :** 67-64-1**Seller :** Bloomchemag BV**Address :** Sint - Antoniusstraat 16 b1, B-2400 Mol, Belgium.**Tel :** +91 72919 74484 / 72919 74050**E-mail :** info@bloomchemag.com**SECTION # 2: Composition & Information on Ingredients****Main content:** Acetone**Percentage:** 95-100%**Usage:** Solvent**SECTION # 3: Hazardous Identification****A. GHS Classification**

- Flammable liquids: Category 2
- Serious eye damage/irritation: Category 2
- Reproductive toxicity: Category 2
- Specific target organ toxicity (Single exposure): Category 3(Narcotic effects)
- Specific target organ toxicity (Single exposure): Category 3(Respiratory tract irritation)
- Aspiration hazards: Category 2

**B. GHS. Labels elements:****i) Hazard Symbols****ii) Single words  
Dangers****Hazard Statement**

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- H225 Highly flammable liquid and vapour
- H305 May be harmful if swallowed and enter airways
- H335 May cause respiratory irritation
- H336 May cause drowsiness and dizziness
- H361 Suspected of damaging fertility or the unborn child

iii) Precautionary statement

**1) Prevention**


- P201 Obtain special instruction before use
- P202 Do not handle until all safety precaution have been read and understood
- P210 Keep away from heat/spark/open flames/hot surfaces. No Smoking
- P233 Keep container tightly closed
- P240 Ground/bond container receiving equipment
- P241 Use explosion-proof electrical/ventilating/lighting/equipment
- P242 Use only non-sparkle tools. Flammable liquids (Chapter 2.6) 1,2,3
- P243 Take precautionary measures against static discharge
- P261 Avoid breathing dust/fume/gas/mist/vapour/spray.
- P271 Use only outdoor or in well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P281 Use personal protective

**2) Response**

- P301+P310 IF SWALLOWED: Immediately call a poison centre or doctor/physician
- P303+P361+P353 IF ON SKIN (on hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P308+P313 If exposed or concerned: Get medical advice/attention
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P331 Do not induce vomiting
- P 370+P378 In case of fire: Use suitable extinguishing media for extinction (Refer Section MSDS 5)

**3) Storage**

- P403+P223 Store in a well-Ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-Ventilated place. Keep cool.
- P405 Store locked up

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#### 4) **DISPOSAL**

- P502 Dispose of contents/container in accordance with local/regional/national/international regulation.

#### **C. Other Hazards which do not result in classification: (NFPA CLASSIFICATION):**

Chemical Name	Trade name synonyms	CAS No.	Content (%)
Acetone	Diethyl Ketone	76-64-1	100

### **SECTION # 4: First Aid Measures**

#### **A. Eye Contact**

- Do not rub your eyes.
- Immediately flush eyes with plenty of water for at least 15 min and call a doctor/physician
- Get medical attention immediately
- Go to the hospital immediately if symptoms (Flare, Irritate) occur.
- Remove contact lenses if worn

#### **B. Skin Contact**

- Flush skin plenty of water for at-least 15 minutes while removing contaminated clothing and shoes.
- Laundering enough contaminated clothing before reuse.
- Get medical attention immediately

#### **C. Inhalation Contact**

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- Get medical attention immediately
- If breathing is stop or irregular, give artificial respiration and supply oxygen

#### **D. Ingestion Contact**

- About whether I should include vomiting take the advice of a doctor.

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- Rinse your mouth with water immediately
- Get medical attention immediately
- If Swallowed, large amount of water to drink and do not induce vomiting.

**E. Delayed and Immediate effect and also chronic effect from short- and long-term exposure.**

- Not Available

**F. Notes to physician**

- Notify medical personal of contaminated situation and have them take appropriate protective measure.
- If exposed or concerned, get medical attention/advice.

**SECTION # 5: Fire Fighting Measures****A. Suitable (Unsuitable) extinguishing media**

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray
- Avoid use of water jet for extinguishing

**B. Specific hazards arising from the chemical.**

- Not available

**C. Specifics protective actions for fire-fighters**

- Move container from fire area, if you can do without the risk
- Keep unauthorized personal out
- Withdraw immediately in case of rising sound from venting safely devises or discoloration of tank
- Notify your local fire-station and inform the location of the fire characterized hazards
- Using a unattended and water device in case of large fire and leave alone to burn if you do not imperative.
- Keep container cool with water spray
- The extremely low flash point made by fire fighter may be less effective at digesting weeks.

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**SECTION # 6: Accidental Release Measure****A. Personal Precaution, protective equipment and emergency procedure**

- Ventilate close space before entering
- Move container to safe area from the leak area
- Remove all sources of ignition
- Handling the damaged containers or spilled material after wearing protective equipment
- Avoid skin contact and inhalation
- Keep unauthorized people away, isolate hazards area and deny entry.

**B. Environmental Precaution**

- Prevent runoff and contact with waterways, drains or sewers
- If large amount has been spilled, inform the relevant authorities.

**C. Method and material for containment and cleaning up**

- Large spill: Stay upwind and keep out of low areas. Dike for later disposal
- Notification to central government, local government. When emission at least of the standard amount
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected
- Do not use plastic container

**SECTION # 7: Handling & Storage information****A. Precaution for safe handling**

- Avoid direct physical contact
- Comply with all applicable laws and regulation for handling.
- Do not handle until all safety precaution have been read and understood.
- Operator should wear antistatic footwear and clothing
- Avoid contact with heat, sparks, flame or other ignition sources.
- Contaminated work clothing should not be allowed out of the workplace.

**B. Conditions for sale storage, including any incompatibilities.**

- Save in cool, dry and well-ventilated place.
- Do not used damaged container
- Save applicable laws and regulation.
- Please pay attention to incompatibilities material and condition to avoid

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- Keep sealed when not in use
- Collected them in sealed container.

**SECTION # 8: Exposure Control / Personal Protection****A. Exposure Limits**

- **ACGIH TLV**
- **[Acetone]: TWA, 500 PPM (1128 mg/m<sup>3</sup>)**

**B. Engineering Controls**

- A system of local and/ or general exhaust is recommended to keep employee exposure limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source.

**C. Personal protective equipment****i) Respiratory Protection**

- Under condition of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use

**ii) Eye Protection**

- Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
- Provide an emergency eye wash station quick drench shower in the immediate work area.

**iii) Hand Protection**

- Wear appropriate chemical resistant gloves

**iv) Skin Protection**

- Wear appropriate chemical resistant protective clothing.

**v) Others**

- Not applicable

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**SECTION # 9: Physical & Chemical properties**

A. Appearance	
-Appearance	Other
-Color	Not Available
B. Odor	Not Available
C. Odorshold	Not Available
D. pH	Not Available
E. Melting point/Freezing point	Not Available
F. Initial Boiling Point/Boiling Ranges	Not Available
G. Flash Point	Not Available
H. Evaporation rate	Not Available
I. Flammability (Solid, Gas)	Not Available
J. Upper Lower Flammability or explosive limits	Not Available
K. Vapour Pressure	Not Available
L. Solubility	Not Available
M. Vapour density	Not Available
N. Specific gravity	Not Available
O. Partition coefficient of n- octanol/water	Not Available
P. Autoignition temperature	Not Available
Q. Decomposition temperature	Not Available
R. Viscosity	Not Available
S. Molecular weight	Not Available

**SECTION # 10: Stability and Reactivity information****A. Chemical Stability**

- This material is stable under recommended storage and handling conditions.

**B. Possibility of hazardous reaction**

- Cylinders exposed to fire may vent and release flammable gas

**C. Condition to avoid**

- Avoid contact with incompatible material and condition
- Avoid accumulation of electrostatic charges, heating, flames and hot surface
- Avoid contact with heat, sparks, flame or other ignition sources

**D. Incompatible Material**

- Not Available

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**E. Hazardous decomposition products**

- May emit flammable vapour if involved in fire.

**SECTION # 11: Toxicological information****A. Information are the likely route of exposure****i) Respiratory tracks**

- May be harmful if swallowed and enters airways
- May cause respiratory irritation

**ii) Oral**

- Not available

**iii) Eye skin**

- Not Available

**B. Delayed and immediate effect and also chronics effects from short- and long-term exposure****i) Acute toxicity****\* Oral**

- [Acetone]: LD 50 = 5280 mg/kg Rat (EHC (1990), SIDS (1997))

**\* Dermal**

- [Acetone]: LD 50 = 12870mg/kg rabbit (EHC (1990), PATTY (1994), SIDS(1997))

**\* Inhalation**

- [Acetone]: Steam LC 50 = 76 mg/L/4 hr Rat

**ii) Skin corrosion/irritation**

- Not Applicable

**ii) Serious eye damage/irritation**

Not Applicable

**iii) Respiratory sensitization**

- Not Available

**iv) Skin Sensitization**

- Not Available

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**v) Carcinogenicity**



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- **IARC**
- Not Available
- **OSHA**
- Not Available
- **ACGIP**
- [Acetone]: A4
- **NTP**
- Not Available
- **EU CLP**
- Not Available

**vi) Germ cell mutagenicity**

- Not Available

**vii) Reproductive toxicity**

- Suspected or damaging fertility or the unborn child

**viii) STOT-Single exposure**

- May cause drowsiness and dizziness
- May cause respiratory irritation

**ix) SHOT-repeated exposure**

- Not Available

**x) Aspiration hazards**

- May be harmful if swallowed and enters airways

**SECTION # 12: Ecological information****A. Ecotoxicity****\* Fish**

-[Acetone]: LC50&gt;100mg/l 96hr

**\* Crustaceans**

- Not Available

**\* Algae**

- Not Available

**B) Persistence and degradability****\* Persistence**

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Not Available

**\* Degradibility**

- Not Available

**C) Bioaccumulative potential****\* Bioaccumulative potential****\* Biodegradation**

- Not Available

**D) Mobility in soil**

- Not Available

**E) Other adverse effect**

- Not Available

**SECTION # 13: Disposable Information****A. Disposal method:**

Since more than two kind of designated waste is mixed, it is difficult to treat separately, and then can be reduction or stabilization by incineration or similar process.

- If water separation is possible, pre-process with water separation process.
- Dispose by incineration.

**B. Special precaution for disposal**

- The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycles and dispose, person who establish and operate waste disposal facilities.
- Dispose of waste in accordance with all applicable laws and regulations.

**SECTION # 14: Transportation Information****A. UN No. (IMDG)**

- 1090

**B. Proper shipping name**

- Acetone

**C. Hazards Class**

- 3

**D. IMDG Packaging group**

- II

**E. Marine pollutant**

- Not applicable
- Not applicable

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**F. Special precaution for user related to transport or transportation measures**

- Local transport follow in accordance with dangerous goods safety management law
- Package and transport follow in accordance with department of Transportation (DOT) and other regulatory agency requirement.
- EmS FIRE SCHEDULE: F-E(Non-water-reactive flammable liquids)
- EmS SPILLAGE SCHEDULE: S-D (Flammable liquids)

**SECTION # 15: Regulatory information****A. National and/or International regulatory information**

- **POP management LAW**  
Not Applicable
- **Information of EU Classification**
  - i) **Classification**
    - [Acetone]: F;R11Xi;R36R66R67
  - ii) **Risk Phrase**
    - [Acetone]: R11, R36, R 66, R67
  - iii) **Safety Phrase**
    - [Acetone] : S2, S9, S16, S26, S46
- **U.S Federal regulation**
  - i) **OSHA ROCESS SAFETY (29 CFR1910.119)**  
Not Applicable
  - ii) **CERCLA section 103(40 CFR302.4)**  
[Acetone] : 2267.995 Kg 5000 lb
  - iii) **EPCRA Section 302(40 CFR355.30)**  
Not Applicable
  - iv) **EPCRA Section 304(40 CFR355.40)**  
Not Applicable
  - v) **EPCRA Section 313 (40 CFR372.65)**  
Not Applicable
  - vi) **Rotterdam Convention listed ingredients**  
Not Applicable
  - vii) **Stockholm Convention listed ingredients**  
Not Applicable
  - viii) **Montreal protocol listed ingredients**  
Not Applicable

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## SECTION # 16: Other Information

### A. Reference

This information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazards communication. It is not intended to constitute performance information concerning the product. No express warranty or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.

- The safety data sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDC, IPCS

### B. Other

- This MSDS is prepared according to the Globally Harmonized System (GHS).

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