

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

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

### **1.1. Product identifier**

Trade name : ACETOPHENONE 99%

Product code : 11065

Identification of the product : Acetophenone, Methyl Phenyl Ketone

CAS No : 98- 86- 2

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

Use : Industrial. For professional use only.

### **1.3. Details of the supplier of the safety data sheet**

Company identification : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : [info@molychem.net](mailto: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**

### **2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H302

Category 4

Serious eye damage/eye H319

irritation, Category 2

Classification according to Directive 67/548/EEC or 1999/45/EC

Adverse physicochemical, human health and environmental effects

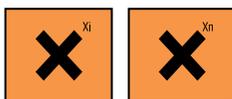
No additional information available

### **2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display  
Extra classification(s) to display

Symbol(s) : Xi : Irritation.

Xn: Harmful



R Phrase(s) : R22 :Harmful if swallowed.

R26 : Very toxic by inhalation.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

**S Phrase(s) : S26:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advise.

**Hazard pictograms :**



**Signal word :** Warning

**Hazard statements :** H302 - Harmful if swallowed

H319 - Causes serious eye irritation

**Precautionary statements:** P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

### 2.3. Other hazards

No additional information available

## **3. Composition/information on ingredients**

### **3.1. Substance: ACETOPHENONE**

CAS No: 98-86-2

Substance.

Contains no other components or impurities which will influence the classification of the product.

## **4. First aid measures**

### **4.1. Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

First-aid measures after skin contact : Take off contaminated clothing. Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. If you feel unwell, seek medical advice.

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

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : Harmful if swallowed.

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

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

Treat symptomatically.

## **5. Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

Unsuitable extinguishing media : Do not use a heavy water stream.

### **5.2. Special hazards arising from the substance or mixture**

No additional information available

### **5.3. Advice for firefighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel.

#### **6.1.2. For emergency responders**

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Stop release.

### **6.2. Environmental precautions**

Avoid release to the environment.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### **6.4. Reference to other sections**

No additional information available

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Avoid contact with skin and eyes.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.

### **7.2. Conditions for safe storage, including any incompatibilities**

Storage conditions : Keep container tightly closed. Store in a dry place.

### **7.3. Specific end use(s)**

No additional information available.

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

## **8. Exposure controls/personal protection**

### **8.1. Control parameters**

No additional information available

### **8.2. Exposure controls**

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask

## **9. Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

**Odour threshold** : No data available

**pH** : No data available

**Relative evaporation rate (butylacetate=1)** : No data available

**Melting point** : 19 - 20

**Freezing point** : No data available

**Boiling point** : 202 °C

**Flash point** : 76 °C

**Auto-ignition temperature** : 5710 °C

**Decomposition temperature** : No data available

**Flammability (solid, gas)** : No data available

**Vapour pressure** : 1 hPa at 20 °C

**Relative vapour density at 20 °C** : 4.1

**Relative density** : No data available

**Density** : 1.03 g/cm<sup>3</sup>

**Solubility** : Water: Slightly soluble in water

**Log Pow** : 1.6

**Viscosity, kinematic** : No data available

**Viscosity, dynamic** : No data available

**Explosive properties** : No data available

**Oxidising properties** : No data available

**Explosive limits** : 0.014 - 0.052 vol %

### **9.2. Other information**

No additional information available

## **10. Stability and reactivity**

### **10.1. Reactivity**

No additional information available

### **10.2. Chemical stability**

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

No additional information available

### **10.4. Conditions to avoid**

Direct sunlight. Overheating. Open flame. Heat. Sparks.

### **10.5. Incompatible materials**

No additional information available

### **10.6. Hazardous decomposition products**

No additional information available

## **11. Toxicological information**

### **11.1. Information on toxicological effects**

Acute toxicity : Oral: Harmful if swallowed.

Skin corrosion/irritation : Not classified

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

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Harmful if swallowed.

## **12. Ecological information**

### **12.1. Toxicity**

No additional information available

### **12.2. Persistence and degradability**

No additional information available

### **12.3. Bioaccumulative potential**

Log Pow 1.6

### **12.4. Mobility in soil**

No additional information available

### **12.5. Results of PBT and vPvB assessment**

No additional information available

### **12.6. Other adverse effects**

No additional information available

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Dispose of contents/container to ..

## **14. Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1. UN number**

UN-No. (ADR) : 3334

UN-No. (IMDG) : 3334

UN-No.(IATA) : 3334

UN-No.(ADN) : 3334

UN-No. (RID) : 3334

### **14.2. UN proper shipping name**

Proper Shipping Name (ADR) : aviation regulated liquid, n.o.s.

Proper Shipping Name (IMDG) : AVIATION REGULATED LIQUID, N.O.S.

Proper Shipping Name (IATA) : AVIATION REGULATED LIQUID, N.O.S.

Proper Shipping Name (ADN) : Aviation regulated liquid, n.o.s.

Proper Shipping Name (RID) : Aviation regulated liquid, n.o.s.

Transport document description (ADR) : UN 3334 aviation regulated liquid, n.o.s., 9

Transport document description (IMDG) : UN 3334 AVIATION REGULATED LIQUID, N.O.S., 9

Transport document description (IATA) : UN 3334 AVIATION REGULATED LIQUID, N.O.S., 9, III

Transport document description (ADN) : UN 3334 Aviation regulated liquid, n.o.s., 9

Transport document description (RID) : UN 3334 Aviation regulated liquid, n.o.s., 9

### **14.3. Transport hazard class(es)**

**ADR** :Transport hazard class(es) (ADR) : 9

**IMDG** : Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9

**IATA**: Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9

**ADN**: Transport hazard class(es) (ADN) : 9

**RID**: Transport hazard class(es) (RID) : 9

### **14.4. Packing group**

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : III

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

**MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)**

**Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)**

**Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503**

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

## 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Transport regulations (ADR) : Not subject

Classification code (ADR) : M11

EAC code : 2Z

### Transport by sea

Special provision (IMDG) : 960

Stowage category (IMDG) : None

### Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 100L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 220L

Special provision (IATA) : A27

ERG code (IATA) : 9A

### Inland waterway transport

Classification code (ADN) : M11

### Rail transport

Classification code (RID) : M11

Limited quantities (RID) : 0

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## 15. Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Acetophenone is not on the REACH Candidate List

Acetophenone is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 02  
DATE OF ISSUE : 26-08-2019  
SUPERSEDES : 01

Product code : 11065

Page 8 of 8

AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water (Classification according to VwVwS, Annex 2; WGK No 735)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

## Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice;

Emergency management

guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

## 15.2. Chemical safety assessment

No additional information available

## 16. Other information

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008 **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the 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

Prepared by: MOLYCHEM (INDIA)

For questions contact: MOLYCHEM

MOLYCHEM Office: 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)

Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442. Email : [info@molychem.net](mailto:info@molychem.net)

Works: Plot No. B/9, Badlapur M.I.D.C., OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503

<b>Material Safety Data Sheet</b>	
<b>ACETOPHENONE 99%</b>	<b>VERSION : 02</b> <b>DATE OF ISSUE : 26-08-2019</b> <b>SUPERSEDES : 01</b>
<b>Product code : 11065</b>	<b>Page 8 of 8</b>

**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](mailto:info@molychem.net)**  
**Works: Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,**  
**Kulgaon, Badlapur (E), Dist.-Thane-421 503**

(The statements contained herein are offered for informational purposes only and are based upon technical data that MOLYCHEM believes to be accurate. It is intended for use only by persons having the necessary technical skills and at their own discretion and risk. Since conditions and manner of use are outside our control, we make NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE.)