

# Material Safety Data Sheet



ACETOPHENONE 99%

VERSION : 01  
DATE OF ISSUE :02-12-2016  
SUPERSEDES : Nil

Product code : 11065

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## 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

## 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

Full text of classification categories and H statements : see section 16

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

Xn; R22

Xi; R36

Adverse physicochemical, human health and environmental effects

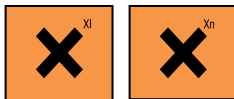
No additional information available

### 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.

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**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**

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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

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

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## 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

Stable under normal conditions.

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## **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

## **13. Disposal considerations**

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## 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

### 14.5. Environmental hazards

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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

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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.

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## End of document


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