

# Material Safety Data Sheet



ACETOPHENONE AR

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

Product code : 21070

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

### **1.1. Product identifier**

Trade name : ACETOPHENONE AR

Product code : 21070

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

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

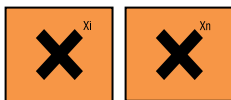
No additional information available

### **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



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

**R36** : Irritating to eyes.

**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 AR

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.

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Symptoms/injuries after ingestion : Harmful if swallowed.

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

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)**

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No additional information available

## **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**

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## 10.1. Reactivity

No additional information available

## 10.2. Chemical stability

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

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No additional information available

### **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

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Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

## 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 AR is not on the REACH Candidate List

Acetophenone AR is not on the REACH Annex XIV List

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## 15.1.2. National regulations

### Germany

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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**Prepared by: MOLYCHEM (INDIA)**

**For questions contact: MOLYCHEM**

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

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