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MATERIAL SAFETY DATA SHEET

Product Name	ACETOPHENONE
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ACETOPHENONE

Product code : A0031

Identification of the product: ACETOPHENONE

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: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

2. Hazards identification -DSD

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

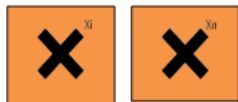
2.2 Label element

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.

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

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

Substance / Preparation: ACETOPHENONE 99%

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

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

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

5.2 Specific hazards arising from the substance or mixture

No additional information available

5.3 Advice for fire-fighters

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

For emergency responders:

Protective equipment : Use personal protective equipment as required.

Emergency procedures : Stop release.

For non-emergency personnel:

Emergency procedure: Evacuate unnecessary personnel.

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

8.1 Control parameter

No additional information available

8.2 Exposure control

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/cm³

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.

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 – 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

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

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) : 30kg

GPCA 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

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



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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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