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Since 1985



**TECHNO PHARMCHEM**

An ISO 9001 : 2008 Certified Company

Registered Off. : 101-A, Deep Enclave, Pocket "D", Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
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## **p-Hydroxy acetophenone**

### 1. Product Identification

Synonyms: 4'-Hydroxyacetophenone

CAS No.: 99-93-4

Molecular Weight: 136.15

Chemical Formula:  $C_8H_8O_2$

Product Codes: 045128

### 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
p-Hydroxy acetophenone	99-93-4	98%

### 3. Hazards Identification

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation: Causes respiratory tract irritation. May be harmful if inhaled.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

### 4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician: Treat symptomatically and supportively.

### 5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be a explosion hazard

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available ; Upper: Not available.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.



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## 6. Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation. Do not let this chemical enter the environment.

## 7. Handling and Storage

Handling: Use with adequate ventilation. Minimize dust generation and accumulation.

Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Storage: Store in a cool, dry place. Store in a tightly closed container. Store under an inert atmosphere.

## Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an

Eye wash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
4'-Hydroxyacetophenone	none listed	none listed	none listed

OSHA Vacated PELs: 4'-Hydroxyacetophenone: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## 9. Physical and Chemical Properties

Physical State	: Crystalline powder
Appearance	: White to beige
Odor	: None reported.
pH	: Not available.
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Evaporation Rate	: Not available.
Viscosity	: Not available.
Boiling Point	: 147 - 148 deg C
Freezing/Melting Point	: 107 - 111 deg C
Decomposition Temperature	: Not available.
Solubility	: Soluble.
Specific Gravity/Density	: Not available.
Molecular Formula	: C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>
Molecular Weight	: 136.15

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. 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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



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## 10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, excess heat.

Incompatibilities with Other Materials: Bases, acid anhydrides, acid chlorides, strong oxidizing agents, acids.

Hazardous Decomposition Products: Carbon monoxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

## 11. Toxicological Information

RTECS#:

CAS# 99-93-4:

LD50/LC50:

CAS# 99-93-4:

Oral, mouse: LD50 = 1500 mg/kg;

Carcinogenicity:

CAS# 99-93-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: Adverse reproductive effects have occurred in experimental animals.

Mutagenicity: No information available.

Neurotoxicity: No information available.

## 12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

## 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

Not regulated.

## 15. Regulatory Information

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

Safety, health and environmental : Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject to authorization

Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

## 16. Other Information

Product Use:

Laboratory Reagent.