



## Section 1 - Chemical Product and Company Identification

**Product Name** Acetophenone extrapure AR, 99.5%  
**Product Code** 22506  
**CAS No** 98-86-2  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
98-86-2	Acetophenone	<=100	202-708-7

## Section 3 - Hazards Identification

### EMERGENCY OVERVIEW

Harmful if swallowed. Irritating to eyes.

#### Potential Health Effects

**Eye:** Causes eye irritation. Causes redness and pain.

**Skin:** May cause skin irritation. May be harmful if absorbed through the skin. May cause reddening of the skin.

**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract. May cause nausea and vomiting.

**Inhalation:** May cause respiratory tract irritation. May cause nausea, dizziness, and headache. Harmful if inhaled.

**Chronic:**

## Section 4 - First Aid Measures

**Eyes:** 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. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

## Section 5 - Fire Fighting Measures



**Product Code** 22506

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Can form explosive mixtures at temperatures above the flashpoint. Combustible liquid.

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

## Section 6 - Accidental Release Measures

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

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

**Storage:** Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

## Section 8 - Exposure Control / Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits** CAS# 98-86-2:  
Belgium - TWA: 10 ppm VLE; 50 mg/m<sup>3</sup> VLE  
Malaysia: 10 ppm TWA; 49 mg/m<sup>3</sup> TWA  
Netherlands: 10 ppm MAC; 49 mg/m<sup>3</sup> MAC  
Spain: 10 ppm VLA-ED; 50 mg/m<sup>3</sup> VLA-ED

## Personal Protective Equipment

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Clear liquid

**Boiling Point:** 202-203 deg C

**Freezing/Melting Point:** 18-20 deg C

**Specific Gravity/Density:** 1.025-1.027

**Molecular Formula:** C<sub>8</sub>H<sub>8</sub>O

**Molecular Weight:** 120.15

## Section 10 - Stability and Reactivity



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**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities with**

**Other Materials :** Strong oxidizing agents, strong bases.

**Hazardous Decomposition**

**Products :** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization :** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:** CAS# 98-86-2: AM5250000

**LD50/LC50:** RTECS:

**CAS# 98-86-2:** Dermal, guinea pig: LD50 = >20 mL/kg;

Draize test, rabbit, eye: 750 ug Severe;

Inhalation, mouse: LC50 = 1200 mg/m<sup>3</sup>/4H;

Oral, mouse: LD50 = 740 mg/kg;

Oral, mouse: LD50 = 1250 mg/kg;

Oral, rat: LD50 = 815 mg/kg;

Oral, rat: LD50 = 2650 mg/kg;

Skin, rabbit: LD50 = 15900 uL/kg;.

Other:

**Carcinogenicity:** Acetophenone - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information. Mutagenicity:Ames-test:negative.

## Section 12 - Ecological Information

**Ecotoxicity:** Fish: Pimephals prome: LC50: 155 mg/l; 96h; .

Daphnia: Daphnia: EC50: 95 mg/l; 48h; .

Bacteria: Pseudomonas putida: EC50: 650 mg/l; 16h; .

Bacteria: Phytobacterium phosphoreum: EC50: 14.4 mg/l; 0.5h; .

Algae: IC50: 280 mg/l; 72h; .

**Other:** Biodegradable.Log Pow: 1.6

## Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:		Acetophenone	
Hazard Class:	9	9	9
UN Number:	3334	3334	3334
Packing Group:	III	III	III

## Section 15 - Regulatory Information



**Product Code** 22506

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases: R 22 Harmful if swallowed. R 36 Irritating to eyes.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

WGK (Water Danger/Protection) CAS# 98-86-2: 1

Canada CAS# 98-86-2 is listed on Canada's DSL List

**US Federal** TSCA CAS# 98-86-2 is listed on the TSCA Inventory.

### Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation 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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.