

**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

Product Name: Acetophenone 99%  
Product Code: A04760  
Supplier: Pfaltz & Bauer, Inc.  
172 E. Aurora Street  
Waterbury, CT 06708 USA  
Phone: 203 574-0075  
Fax: 203 574-3181  
Emergency Phone: CHEMTREC, US: 1-800-424-9300  
CHEMTREC, International: 1-703-527-3887

**SECTION 2: HAZARDS IDENTIFICATION**

Statements of Hazard: Irritant  
Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.  
Chronic Health Hazard: Not Available  
HMIS Rating: H:2 F:2 P:0  
NFPA Rating: H:2 F:2 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.



Pictogram:  
Signal Word: Warning  
Hazard Statement(s): **H302** Harmful if swallowed.  
**H312** Harmful in contact with skin.  
**H315** Causes skin irritation.  
**H319** Causes serious eye irritation.  
**H332** Harmful if inhaled.  
**H335** May cause respiratory irritation.

Precautionary Statement(s): **P261** Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P301+P312** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
**P302+P352** IF ON SKIN: Wash with plenty of soap and water.  
**P304+P340** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P332+P313** If skin irritation occurs: Get medical advice/ attention.

### **SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS**

Chemical Name: Acetophenone  
Synonyms: Acetylbenzene; Benzoyl methide; Hypnone; Methyl phenyl ketone  
CAS Number: 98-86-2  
MDL Number: MFCD00008724  
EINECS Number: 202-708-7  
Belstein Registry Number: 605842  
Molecular Formula: C<sub>8</sub>H<sub>8</sub>O  
Molecular Weight: 120.15  
Content: 99%  
Notes: Not Available

### **SECTION 4: FIRST AID MEASURES**

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.  
Skin Contact: Wash skin with soap and water. If irritation persists, seek medical attention.  
Ingestion: Do not induce vomiting. Seek medical attention.  
Inhalation: Move to a fresh air environment. Contact a physician if breathing becomes difficult.

### **SECTION 5: FIRE FIGHTING MEASURES**

Flash Point: 76 °C

<u>Explosion Limits:</u>	Lower: 5.2% by volume Upper: 1.4% by volume
<u>Auto Ignition Temperature:</u>	535 °C
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder, alcohol-resistant foam or water spray.
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	May emit hazardous fumes under fire conditions.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

## **SECTION 7: HANDLING and STORAGE**

<u>Handling:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
<u>Storage:</u>	Store in a tightly closed container in a dry, well-ventilated place.
<u>Sensitivities:</u>	Not Available
<u>Storage Temperature:</u>	15 – 30 °C

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<u>Eyes:</u>	Wear appropriate protective eyeglass or chemical safety goggles. Make sure that there is an eyewash facility in your vicinity.
<u>Skin:</u>	Wear impervious gloves and protective clothing.
<u>Respiratory:</u>	Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>
	USA	ACGIH	TWA	10 ppm
	USA	OSHA	STEL	Not Available
	USA	OSHA	PEL	Not Available

## **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

<u>Appearance:</u>	Clear colorless to pale yellow liquid
<u>Odor:</u>	Not Available
<u>Melting Point:</u>	19 – 20 °C
<u>Boiling Point:</u>	201 – 203 °C
<u>pH Value:</u>	Not Available
<u>Density:</u>	1.03 g/cm <sup>3</sup>
<u>Refractive Index, n<sup>20</sup><sub>D</sub>:</u>	1.5325
<u>Viscosity:</u>	Not Available
<u>Solubility in Water:</u>	Slightly soluble, 5.5 g/L at 20 °C
<u>Vapor Pressure:</u>	1 mmHg
<u>Vapor Density(Air=1):</u>	4.1

## **SECTION 10: STABILITY and REACTIVITY**

<u>Stability:</u>	Stable under normal temperatures and pressures.
<u>Incompatibility:</u>	Strong oxidizing agents, Strong bases, Strong reducing agents.
<u>Conditions to Avoid:</u>	Heat, Flame, Sparks, Other ignition sources
<u>Hazardous Decomposition Products:</u>	Carbon oxides

## **SECTION 11: TOXICOLOGICAL INFORMATION**

<u>RTECS Reference:</u>	AM5250000
<u>Target Organs:</u>	Not Available
<u>Toxicity Data:</u>	Oral Rat LD <sub>50</sub> : 815 mg/kg Dermal Rabbit LD <sub>50</sub> : 16329 mg/kg
<u>Skin corrosion/irritation:</u>	Not Available
<u>Serious eye damage/irritation:</u>	Not Available
<u>Carcinogenicity:</u>	Not Available

## **SECTION 12: ECOLOGICAL INFORMATION**

<u>Toxicity:</u>	Not Available
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<u>Persistence and degradability:</u>	Not Available
<u>Bioaccumulative potential:</u>	Not Available
<u>Mobility in soil:</u>	Not Available
<u>PBT and vPvB assessment:</u>	Not Available
<u>Other adverse effects:</u>	Not Available

### **SECTION 13: DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

### **SECTION 14: TRANSPORT INFORMATION**

DOT Shipping Name: Aviation Regulated Liquid, N.O.S.

DOT UN Number: UN3334

DOT Hazard Class: Class 9

DOT Packing Group: No PG

Reportable Quantity: 5000 lbs

IMDG Shipping Name: Not Regulated

IATA Shipping Name: Aviation Regulated Liquid, N.O.S.

IATA UN Number: UN3334

IATA Hazard Class: Class 9

IATA Packing Group: III

### **SECTION 15: REGULATORY INFORMATION**

#### United States:

Toxic Substance Control Act (TSCA): Listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 311/312): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Listed

#### European Union:

European Inventory of Existing Chemical Substances (EINECS): No. 202-708-7

Hazard Codes: Not Available

Risk Statements: 22-36

Safety Statements: 26

#### Canada

Canadian Domestic Substances List (DSL): Listed

Canadian Domestic Substances List (NDSL): Not listed

## **SECTION 16: OTHER INFORMATION**

Date Prepared: 06/25/2013 MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment. Pfaltz and Bauer shall not be held liable for any damage resulting from handling or from contact with the above product.