

**MATERIAL SAFETY DATA SHEET****Acetone**

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Printed: 07/02/2008  
Revision: 03/13/2006  
Supersedes Revision: 05/18/2005  
Date Created: 05/18/2005

**1. Product and Company Identification**

**Product Code:** 1640.1  
**Product Name:** Acetone  
**Reference #:** 1640.1  
**Company Name:** ACE

**2. Composition/Information on Ingredients**

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TWA	Other Limits
1. Acetone	67-64-1	100.0 -95.0 %	1000 ppm	500 ppm	No data.
Hazardous Components (Chemical Name)	RTECS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
1. Acetone	AL3150000	No data.	No data.	750 ppm	No data.

**3. Hazards Identification****Emergency Overview**

Danger! Extremely Flammable. Keep away from heat, sparks, flame and all other sources of ignition. Vapors may cause flash fire or ignite explosively. Vapors may travel long distances to other areas and rooms away from the work site. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition anywhere in the structure, dwelling, or building during use and until all vapors are gone from the work site. Keep away from electrical outlets and switches. Beware of static electricity that may be generated by synthetic clothing and other sources.

**OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic)**

Inhalation Acute Exposure Effects:

Vapor harmful. May cause dizziness, headache, watering of eyes, irritation of respiratory tract, drowsiness, nausea, and numbness in fingers, arms and legs.

Skin Contact Acute Exposure Effects:

May cause drying of skin, and numbness in fingers and arms. Liquid is absorbed readily.

Eye Contact Acute Exposure Effects:

This material is an eye irritant.

Ingestion Acute Exposure Effects:

Harmful if swallowed. May cause dizziness, headache, nausea, and irritation of the mouth, throat, and stomach.

Chronic Exposure Effects:

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Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause weakness, fatigue, skin irritation, and numbness in hands and feet.

**Signs and Symptoms Of Exposure**

Primary Routes of Exposure:

Inhalation, ingestion, and dermal.

**Medical Conditions Generally Aggravated By Exposure**

None known.

**4. First Aid Measures****Emergency and First Aid Procedures**

Inhalation:

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be reached.

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

Ingestion:

Call your poison control center, hospital emergency room, or physician immediately for instructions.

**Note to Physician**

Call your local poison control center for further instructions.

**5. Fire Fighting Measures****Flammability Classification:**

Class IB

**Flash Pt:**

-4.00 F Method Used: TAG Closed Cup

**Explosive Limits:**

LEL: 2.60 UEL: No data.

**Fire Fighting Instructions**

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

**Flammable Properties and Hazards**

No data available.

**Extinguishing Media**

Use carbon dioxide, dry powder, or foam.

**Unsuitable Extinguishing Media**

No data available.

**6. Accidental Release Measures****Steps To Be Taken In Case Material Is Released Or Spilled**

Clean Up:

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. For small spills, take up liquid with sand, earth, or other noncombustible absorbent material and place in a container for disposal. For large spills, dike far ahead of spill and use sand, earth, or other noncombustible absorbent material and then place material in a container for disposal.

Waste Disposal:

Dispose in accordance with applicable local, state, and federal regulations.

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## 7. Handling and Storage

### Precautions To Be Taken in Handling

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse the container.

### Precautions To Be Taken in Storing

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

## 8. Exposure Controls/Personal Protection

### Respiratory Equipment (Specify Type)

For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

### Eye Protection

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

### Protective Gloves

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

### Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

### Engineering Controls (Ventilation etc.)

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or your experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

## 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Melting Point:</b>	No data.		
<b>Boiling Point:</b>	> 133.00 F		
<b>Autoignition Pt:</b>	No data.		
<b>Flash Pt:</b>	-4.00 F Method Used: TAG Closed Cup		
<b>Explosive Limits:</b>	LEL: 2.60	UEL: No data.	
<b>Specific Gravity (Water = 1):</b>	No data.		
<b>Bulk density:</b>	6.572 LB/GA		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.		
<b>Vapor Density (vs. Air = 1):</b>	No data.		
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	No data.		
<b>Solubility in Water:</b>	No data.		
<b>Percent Volatile:</b>	100.0 % by weight.		
<b>Corrosion Rate:</b>	No data.		

**Acetone**

**pH:** No data.

**Appearance and Odor**

No data available.

**10. Stability and Reactivity**

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability**

No data available.

**Incompatibility - Materials To Avoid**

Incompatible with strong oxidizing agents and hydrogen peroxide.

**Hazardous Decomposition Or Byproducts**

Decomposition may produce carbon monoxide and carbon dioxide.

**Hazardous Polymerization:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Polymerization**

No data available.

**11. Toxicological Information**

No data available.

**Carcinogenicity/Other Information**

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Acetone	67-64-1	n.a.	n.a.	A4	n.a.

**12. Ecological Information**

No data available.

**13. Disposal Considerations**

**Waste Disposal Method**

Dispose in accordance with applicable local, state and federal regulations.

**RCRA Waste ID Code:** D001

**14. Transport Information**

**LAND TRANSPORT (US DOT)**

**DOT Proper Shipping Name** No data available.

**15. Regulatory Information**

**US EPA SARA Title III**

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Acetone	67-64-1	No	Yes 5000 LB	No	Yes

**SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:**

- Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.
- Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.
- Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.
- Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

**EPA Hazard Categories:**

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:  
 [X] Yes [ ] No Acute (immediate) Health Hazard

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- Yes  No Chronic (delayed) Health Hazard  
 Yes  No Fire Hazard  
 Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

### 16. Other Information

No data available.