

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for the specific requirements.

# U. S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTIFY (As used on label) <b>PURE ACETONE</b>		NOTE: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate it.	
<b>Section I</b>			
Manufacture's Name Chemco Corporation		Emergency Telephone Number 1-800-535-5053 (International Number) 352-323-3500	
Address (Number, Street, City, State and ZIP Code) 1130 NW 159 <sup>th</sup> drive		Telephone Number for Information 305-623-4445	
Miami, Florida		Date Prepared 1/3/06	
		Signature of Preparer (Optional)	
<b>Section II – Hazardous Ingredients/Identity Information</b>			
Hazardous Components (Specify Chemical Identity: Common Name(s) OSHA PEL ACGIH TLV Other Limits Recommended			% Optional)
Acetone			CAS Number 67-64-1
<b>Section III – Physical/Chemical Characteristics</b>			
Boiling Point	133°F	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	Approx 181mm @ 20°C	Melting Point	-137.2 F
Vapor Density (AIR = 1)	Approx 2.0	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water: Complete			
Appearance and Odor: Colorless Liquid			
<b>Section IV – Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) 1.4°F (-17 C)	Flammable Limits	LEL 2.5%	UEL 12.8%
Extinguishing Media: CO2, foam, dry chemical.			
Special Fire Fighting Procedures: Handle as a very flammable liquid. Use water spray to keep fire-exposed and containers cool. Do not enter the fire area without proper personal protective equipment including self contained breathing apparatus.			
Unusual Fire and Explosion Hazards: Acetone is extremely flammable and its vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame, or oxidants.			

<b>Section V – Health Hazard Data</b>			
Threshold Limit Value: NA			
Effects of overexposure: Eye irritant: burning, redness and tearing. Acetone is an irritant to the eyes and mucous membranes. Skin irritant: may cause redness and irritation. Prolonged exposure to the vapor irritates the skin. Repeated and prolonged contact of the liquid with skin can cause dryness and erythema (inflammation). Ingestion: Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. May produce central nervous system effects, which may include dizziness, loss of balance and coordination, unconsciousness, coma, and even death. Inhalation: High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis, and loss of consciousness and even death).			

Emergency and First Aid Procedures:			
Eyes: Flush eyes with plenty of water for at least 15 minutes. Contact a physician.			
Skin: Wash with soap and water. Remove clothing. Get medical attention immediately if irritation persists. Wash clothing separately before reuse.			
Ingestion: If swallowed, do NOT induce vomiting. Give victim glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Keep individual calm. Obtain emergency medical attention.			
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Obtain medical attention.			
<b>Section VI – Reactivity Data</b>			
Stability	Unstable		Conditions to Avoid Avoid heat, sparks and open flame.
	Stable	X	
Incompatibility ( <i>Materials to avoid</i> ) Strong oxidizers, Acetone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, and thioglycol.			
Hazardous Decomposition Products: Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.			
Hazardous Polymerization	May occur		Conditions to Avoid:
	Will not occur	X	
<b>Section VII – Spill or Leak Procedures</b>			
Steps to be taken in case material is to be released or spilled: Eliminate and/or shut off any ignition source and keep ignition sources out of area. Shut off leak if safe to do so. Absorb spill with inert material (e.g. dry sand or earth) then place in a chemical waste container. Use water spray to dilute spill to a nonflammable mixture. Avoid runoff into storm sewers and ditches, which lead to waterways.			
Waste Disposal Method: Follow federal, state and local regulations. In Canada, follow federal, provincial and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.			
<b>Section VIII – Special Protective Information</b>			
Respiratory Protection ( <i>Specify Type</i> ) Good general ventilator should be sufficient to control airborne levels.			
Ventilation	Local Exhaust Recommended		Special None
	Mechanical		Other None
Protective Gloves: Resistant plastic or rubber		Eye Protection: Safety glasses or goggles.	
Other Protective Equipment: Protective clothing.			
<b>Section IX – Special Precautions</b>			
Precautions to be taken in handling and storing: Wash hands thoroughly before eating, drinking, or smoking. Store below 120 degrees F in a tightly closed container in a cool, dry, isolated, well ventilated area, away from heat, ignition sources and incompatibles. Store out of direct sunlight. Use non-sparking tools.			
Other Precautions: Keep away from eyes. Avoid breathing of vapors. Avoid prolonged skin contact.			
<b>Section X – Regulatory Information</b>			
All components of this product are listed (or exempt) on the EPA TSCA inventory.			
Acetone CAS-No. 67-64-1			
Estimated HMIS Code: Health Hazard (1) Fire Hazard (3) Reactivity (0)			

**Section XI – Transportation Information**

DOT  
Proper Shipping Name: Acetone  
Hazard Classification: 3

UN#: 1090  
Packaging Group: II  
Hazard Label Required: Flammable Liquid

IATA

UN#: 1090  
Packaging Group: II  
Hazard label Required: Flammable Liquid

CHEMCO CORP. believes that the information contained in this M.S.D.S. is correct as of this date. However, because the material may be used under conditions which CHEMCO CORP. has no control of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that is properly and safely used.