

## SAFETY & HEALTH QUICK LIST

Chemical/Product Name:	Acetone
Synonym:	

CAS No: 67-64-1

Hazard Statements: H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

NFPA Ratings:	4-Dangerous	3-Severe	2-Moderate	1-Slightly Hazardous
GHS Ratings:	1-Dangerous	2-Severe	3-Moderate	4-Slightly Hazardous

### Physical Properties

NFPA Rating: Health	1	Auto Ignition Temperature	869F-1040F
NFPA Rating: Flammability	3	Solubility in Water	Completely miscible
NFPA Rating: Reactivity	0	Specific Gravity	0.696
GHS Classification: Flammable	2	Flash Point	0F
GHS Classification: Corrosive	1	Vapor Pressure (@ 68F)	3.48 psi
Fire Extinguisher Type	Water	Max Concentration (@68F)	100%
Freeze Point (F)	-107.86	Boiling Point	133F
LEL %	2.50%	RQ	5000 lbs
UEL %	14.30%		
Vapor Density	2		

### Exposure Guidelines

PEL/TLV	750 ppm	Corrosive	1
STEL	500 ppm	Irritant	N/A
Ceiling	N/A	IDLH	2,500 ppm
Skin Notation (S)	N/A	Odor Threshold	62 ppm
Carcinogen (A1-A4)	N/A	Sensitizer	N/A

based on flammability concern

### Other Hazards:

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### Emergency Response

Spill or Leak	Isolate area for at least 50 meters (150 feet) in all directions
Large spill	Consider initial downwind evacuation for at least 300 meters (1000 feet).
Fire	Isolate for 800 meters (1/2 mile) in all directions
Monitoring Method	N/A

**Normal Tasks**

Sampling  
 Drum/Tote Filling  
 Strapping Tank/Truck  
 Hose Disconnect Unclear (Camlock Fitting)  
 Hose Disconnect Unclear (Dry Disconnect)  
 Line/Equipment Opening Unclear  
 Line/Equipment Opening Clear  
 Contaminated Equipment in Maintenance Shop  
 which can't be cleaned  
 Tank Cleaning (No chemicals present)  
 Tank Cleaning (Chemicals present)

**PPE Group**

Group 3
Group 3
Group 3
Group 3
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Group 3
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**Emergency Response Tasks**

Small Spill  
 Medium Spill  
 Large Spill  
 Downwind Monitoring (Vapor Only)  
 Liquid Contact (HAZMAT)

**PPE Group**

Group 3
Group 3
Group 3
Group 3
Group 3

**Lab Handling**

Inside Hood  
 Outside Hood

**PPE Group**

Group 13
Group 13

NUMBER	KEY CODE	DESCRIPTION
<b>Group 2</b>	GENERAL PROCESS AREA	Standard PPE - Hard Hat, Nomex Coveralls, Safety Side-Shield Glasses, Work Gloves (Leather)
<b>Group 3</b>	RESPIRATOR CHEMICAL GLOVES	Standard PPE (Group 2) with Chemical Gloves, Face Shield, and Required Respirator
<b>Group 11</b>	STANDARD LAB -L	Nomex Lab Coat, Safety Side-Shield Glasses, Latex Gloves
<b>Group 12</b>	STANDARD LAB -N	Nomex Lab Coat, Safety Side-Shield Glasses, Nitrile Gloves
<b>Group 13</b>	LAB & RESPIRATOR	Group 11 or 12 along with a Cartridge Respirator
<b>Respirator Type</b>	Half Face, Organic Vapor	
<b>Chemical Gloves Type</b>	Neoprene	

**PPE Example**