

Safety & Health Quick List

Chemical/Product Name:	Isopropanol	CAS No:	67-63-0
Synonym:	IPA		

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	2	Auto Ignition Temperature	685.4 F
NFPA Rating: Flammability	3	Solubility in Water	Completely Miscible
NFPA Rating: Reactivity	0	Specific Gravity	0.78509
GHS Classification: Flammability	2	Flash Point	55.4 F
GHS Classification: Harmful	2	Vapor Pressure	0.8779 psi
Fire Extinguisher Type	Use water spray, alcohol based foam, dry chemical or carbon dioxide	Max Concentration	100%
Freeze Point	-126.22	Boiling Point	179.6 F
LEL%	3.30%	RQ	N/A
UEL%	13%		
Vapor Density	2.1		

Exposure Guidelines

PEL/TLV	400 ppm	Corrosive	N/A
STEL	500 ppm	Irritant	2A
Ceiling	N/A	IDLH	2,000 ppm
SkinNotation (S)	N/A	Odor Threshold	200 ppm
Carcinogen	N/A	Sensitizer	N/A

Other Hazards:

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Emergency Response

Small Spill or Leak	50 meters (150 feet)
Large Spill	300 meters (1000 feet)
Fire, if a tank, railcar or tank truck is involved in a fire	800 meters (1/2 mile)
Monitoring Method	

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 5
Group5
Group 5
Group 5
Group 5
Group 5
Group 5
Group 5
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Group 5
Group 5

Emergency Response Tasks

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

PPE Group

Group 5
Group 5
Group 5
Group 5
Group 5

Lab Handling

Inside Hood
 Outside Hood

PPE Group

Group 13
Group 13

NUMBER	KEY CODE	DESCRIPTION
GROUP 2	GENERAL PROCESS AREA	Standard PPE - Hard Hat, Nomex Coveralls, Safety Side-Shield Glasses, Work Gloves (Leather)
GROUP 5	SPLASH GOGGLES RESPIRATOR	Standard PPE (Group 2) with Chemical Gloves, Face Shield, Splash Goggles and the Required Respirator
GROUP 11	STANDARD LAB -L	Nomex Lab Coat, Safety Side-Shield Glasses, Latex Gloves
GROUP 12	STANDARD LAB -N	Nomex Lab Coat, Safety Side-Shield Glasses, Nitrile Gloves
GROUP 13	LAB & RESPIRATOR	Group 11 or 12 along with a Cartridge Respirator
Respirator Type	Full Face, Organic Vapor, Cartridge Life = 52 minutes	
Chemical Gloves Type	Neoprene	

PPE Example



