

Safety & Health Quick List

Chemical/ Product Name:	Methanol	CAS No:	67-56-1
Synonym:			

Hazard Statements: H225 Highly flammable liquid and vapour.
 H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H370 Causes damage to organs.

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	867.2 F
NFPA Rating: Flammability	3	Solubility in Water	Completely Miscible
NFPA Rating: Reactivity	0	Specific Gravity	0.81
GHS Classification: Flammability	2	Flash Point	51.8 F
GHS Classification: Health Hazard	1	Vapor Pressure (@ 64F)	1.856 psi
Fire Extinguisher Type	Alcohol Resistant Foam, Dry Chemical, Carbon Dioxide	Max Concentration (@ 64F)	100%
Freeze Point	-143.68	Boiling Point	148.46 F
LEL%	5.50%	RQ	5000 lbs
UEL%	36.50%		
Vapor Density	1.11		

Exposure Guidelines

PEL/TLV	200 ppm	Corrosive	N/A
STEL	250 ppm	Irritant	2A
Ceiling	N/A	IDLH	N/A
Skin Notation (S)	3	Odor Threshold	4.2-5960 ppm
Carcinogen (A1-A4)	N/A	Sensitizer	N/A

Emergency Response

EPRG-1	200 ppm	Isolate for at least 50 meters (150 ft) in all directions
EPRG-2	1000 ppm	Isolate for 800 meters (1/2 mile) in all directions
EPRG-3	5000 ppm	
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 Operating Unclear
 Line/Equipment Operating 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
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Group 3
Group 3

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 12
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 3	RESPIRATOR CHEMICAL GLOVES	Standard PPE (Group 2) with Chemical Gloves, Face Shield, and 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		Half Face, Organic Vapor
Chemical Glove Type		Nitrile Rubber

PPE Example

