

Safety & Health Quick List

Chemical/Product Name:	Monoethanolamine
Synonym:	MEA, 2-aminoethanol

CAS No: 141-43-5

Hazard Statements: Combustible liquid.
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.

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	3	Auto Ignition Temperature	770 F
NFPA Rating: Flammibility	2	Solubility in Water	1000 g/l 2 20 C
NFPA Rating: Reactivity	0	Specific Gravity	1.02
		Flash Point	199.4 F
GHS Classification: Corrosive	1	Vapor Pressure	0.007 psi
Fire Extinguisher Type	Water Fog or Fine Spray, Dry Chemical, Carbon Dioxide, Alcohol resistant Foam. DO NOT use direct water stream; fire may spread	Max Concentration	99.00%
Freeze Point	50.9 F	Boiling Point	225.14 F
LEL%	3.00%	RQ	100 lbs
UEL%	23.50%		
Vapor Density	2.1 @ 20 C		

Exposure Guidelines

PEL/TLV	N/A	Corrosive	1B
STEL	6 ppm	Irritant	N/A
Ceiling	N/A	IDLH	30 ppm
SkinNotation (S)	1	Odor Threshold	No test data available
Carcinogen	N/A	Sensitizer	N/A

Other Hazards:

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Emergency Response

EPRG-1	10 ppm	In all directions isolate at least 50 meters(150 feet) for liquids and at least 25 meters (75 feet) for solids
EPRG-2	100 ppm	Isolate 9=800 meters (1/2 mile) in all directions
EPRG-3	500 ppm	
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 7
Group 7
Group 7
Group 7
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Group 7
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Emergency Response Tasks

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

PPE Group

Group 7
Group 7
Group 7
Group 7
Group 7

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 7	SLICKER SUIT	Standard PPE (Group 2) with Chemical Gloves, Boots, slicker suit 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
Required Respirator		Full face, supplied air
Chemical Glove Type		Butyl rubber, viton or nitrile

PPE Example



