

Safety & Health Quick List

Chemical/Product Name:	Ethylenediamine
Synonym:	EDA

CAS No: 107-15-3

Hazard Statements: **Flammable liquid and vapour.**
Harmful if swallowed or if inhaled
Toxic in contact with skin.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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	725 F
NFPA Rating: Flammability	2	Solubility in Water	1000 g/l
NFPA Rating: Reactivity	0	Specific Gravity	0.898
GHS Classification:Corrosive	1	Flash Point	100.4 F
GHS Classification:Health Hazard	1	Vapor Pressure	0.1885 psi
Fire Extinguisher	Water Spray, foam, dry powder, gasous extinguishing method, carbon dioxide	Max Concentration	99.00%
Freeze Point	51.8 F	Boiling Point	242.6 F
LEL %	4.20%	RQ	5000 lbs
UEL %	14.40%		
Vapor Density	2.07		

Exposure Guidelines

PEL/TLV	10 ppm	Corrosive	1
STEL	N/A	Irritant	N/A
Ceiling	N/A	IDLH	1000 ppm
Skin Notation (S)	1B	Odor Threshold	3.4 ppm
Carcinogen(A1-A4)	N/A	Sensitizer	1B

Other Hazards:

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Emergency Response

spill or leak	Isolate for at least 50 meters (150 feet) in all directions
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 Disaconnect 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
Group 7
Group 7
Group 7
Group 7
Group 7
Group 7

4-Slightly Hazardous

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 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		Air Purifying or supplied air
Chemical Glove Type		Polyethylene or Butyl

PPE Example



