

## SAFETY & HEALTH QUICK LIST

Chemical/Product Name:	Methacrylic acid
Synonym:	2-Methylpropenoic acid

CAS No: 79-41-4

Hazard Statement

H227 Combustible liquid  
H302 + H332 Harmful if swallowed or if inhaled  
H311 Toxic in contact with skin  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

**Physical Properties**

NFPA Rating: Health	3
NFPA Rating: Flammability	2
NFPA Rating: Reactivity	0
GHS Classification: Corrosive	2
Fire Extinguisher Type	Water Dry Chem CO2
Freeze Point	61 F
LEL %	1.60%
UEL %	8.70%
Vapor Density	2.97

Auto Ignition Temperature	no data
Solubility in Water	no data
Specific Gravity	1.02 liquid
Flash Point	171 F
Vapor Pressure (@ 68F)	1 mm/Hg @ 68 F
Max Concentration (@68F)	< = 100%
Boiling Point	325 F
RQ	100 lbs

**Exposure Guidelines**

PEL/TLV	750 ppm
STEL	500 ppm
Ceiling	N/A
Skin Notation (S)	N/A
Carcinogen (A1-A4)	N/A

Corrosive	1
Irritant	N/A
IDLH	N/A
Odor Threshold	
Sensitizer	N/A

**Other Hazards:**

stench, rapidly absorbed through skin

**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

Sampling

<b>PPE Group</b> Group 5
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Drum/Tote Filling	Group 5
Strapping Tank/Truck	Group 5
Hose Disconnect Unclear (Camlock Fitting)	Group 5
Hose Disconnect Unclear (Dry Disconnect)	Group 5
Line/Equipment Opening Unclear	Group 5
Line/Equipment Opening Clear	Group 5
Contaminated Equipment in Maintenance	
Shop which can't be cleaned	Group 5
Tank Cleaning (No chemicals present)	Group 5
Tank Cleaning (Chemicals present)	Group 5

**Emergency Response Tasks**

**PPE Group**

Small Spill	Group 5
Medium Spill	Group 5
Large Spill	Group 5
Downwind Monitoring (Vapor Only)	Group 5
Liquid Contact (HAZMAT)	Group 5

**Lab Handling**

**PPE Group**

Inside Hood	Group 13
Outside Hood	Group 13

NUMBER	KEY CODE	DESCRIPTION
Group 5	SPLASH GOGGLES RESPIRATOR	
Group 13	LAB & RESPIRATOR	Group 11 or 12 along with a Cartridge Respirator
Respirator Type		Half Face, Organic Vapor Acid
Chemical Gloves Type		Butyl Rubber

**PPE Example**

