

SECTION 1 - IDENTIFICATION

Product: 2-WAY™

Recommended use of the chemical and restrictions on use:

Uses: Concentrated liquid floor stripper, wax and seal remover
List of advices against: Not available.

Details of the supplier of the Safety Data Sheet:

Momar, Inc.
1830 Ellsworth Industrial Dr.
Atlanta, Ga. 30318
404-355-4580
800-556-3967
www.momar.com

Emergency Telephone Number (INFOTRAC): North America: 1-800-535-5053
International: 1-352-323-3500

SECTION 2 – HAZARD IDENTIFICATION

Classification:	Eye Damage/Irritation: 1
	Skin Corrosion/Irritation: 1B
	Specific target organ toxicity (Single Exposure): 3
Signal Word:	Danger.
Hazard Statements:	Causes serious skin burns and eye damage. May cause respiratory irritation.
Pictograms:	



Precautionary Statements:

Prevention: Do not breathe mists/fumes/gas/vapors/spray.
Wash hands and all exposed skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
Use only outdoors or in a well-ventilated area.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Immediately call a poison center/doctor/hospital.

Storage: Store locked up.
Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to approved waste disposal plant in accordance with federal, state, and local regulations.

Other Hazards: None.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent Weight
Ethylene glycol monobutyl ether	111-76-2	10-20
Monoethanolamine	141-43-5	5-25

SECTION 4 – FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water, remove contact lenses (if easy to do so), and continue to flush for at least 15-20 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention immediately. Continue rinsing eyes while in transport.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Wash clothing and shoes before reuse. Get medical attention.

Inhalation: Remove from exposure. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Get medical attention immediately. Do not induce vomiting. If victim is conscious and alert, give large amounts of water. Discontinue water if victim feels like they may vomit. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects:

Acute: Severe eye irritation or damage. Possible skin burns. Severe respiratory tract irritation or damage.

Delayed: Prolonged or excessive contact with skin could cause damage or dermatitis.

Indication of Any Immediate Medical Attention and Special Treatment Needed: None known.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media: Use water spray, CO₂, dry chemical, foam.

Specific Hazards Arising From the Substance or Product: Spilled material can be slippery.

Hazardous Combustion Products: Oxides of carbon and nitrogen, ammonia.

Protective Equipment and Precautions for Firefighters: Wear a self-contained breathing apparatus, and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with skin and eyes. Wear protective clothing, see Section 8.

Environmental Precautions: Keep out of sewers, drains, and bodies of water. Spills should be diked and absorbed.

Methods and Materials for Containment and Cleaning Up: Absorb in vermiculite, dry sand, or earth, and place in containers. Collect and reclaim or dispose of in sealed containers in a licensed waste facility. Containers with spillage must be properly labeled with correct contents and hazard symbol.

SECTION 7 – HANDLING AND STORAGE

- Precautions for Safe Handling:** Avoid spilling, skin, and eye contact. Wash thoroughly after handling. Use only with adequate ventilation. Keep from freezing. For industrial or professional use only. Do not cut or weld empty container. **KEEP OUT OF REACH OF CHILDREN.**
- Conditions for Safe Storage:** Store in a cool dry place.
- Incompatibilities:** Ignition sources, strong oxidizers and acids, nitrates.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits and Recommendations:

Chemical Name	OSHA PEL	ACGIH TLV	Other Exposure Limits
Ethylene glycol monobutyl ether	50 ppm	20 ppm	
Monoethanolamine	3 ppm	3 ppm	

Engineering Controls: Normal ventilation.

Personal Protection Measures:

Respiratory Protection: Normally not needed. If needed, use NIOSH approved full face mask and filter for organic solvents.

Skin and Body: Chemical resistant gloves recommended.

Eye Protection: Safety glasses/goggles recommended. Faceshield as needed.

Other Recommendations: None.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Clear colorless liquid with butyl odor.	
Odor Threshold:	Not determined.	
pH:	11.5.	
Freezing Point:	Not determined.	
Boiling Point:	212°F	
Flash Point:	210°F.	
Evaporation Rate (BUAC=1):	Slower.	
Flammability:	Combustible.	
Flammability or Explosion Limits:	Upper: Not applicable.	Lower: Not applicable.
Vapor Pressure:	Not determined.	
Specific Gravity:	0.980	
Solubility in Water:	Complete.	
Solubility in Other Solvents:	Not determined.	
Partition Coefficient (n-octanol/water):	Not determined.	

Auto-Ignition Temperature: Not determined.
Decomposition Temperature: Not determined.
Viscosity: Not determined.
Other Information: Not determined.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use. Avoid contact with incompatible materials. See list below.

Chemical Stability: Stable under normal temperature conditions and recommended use.

Possible Hazardous Reactions: Not available.

Conditions to Avoid: Contact with incompatible materials.

Incompatible Materials: Ignition sources, strong oxidizers and acids, nitrites.

Hazardous Decomposition Products: Oxides of carbon and nitrogen, ammonia.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Exposure:

Inhalation	Ingestion	Skin	Eye
X	X	X	X

Physical, Chemical and Toxicological Effects:

Symptoms: Irritation and possible damage to skin and eyes. Irritation or damage to respiratory tract.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure:

Sensitization: Not a skin sensitizer.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: No components of this product are listed by NTP, IARC, or OSHA.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity: Eyes and skin

Numerical Measures of Toxicity:

Product: Not determined.

Component:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene glycol monobutyl ether	470 mL/kg (rat)	220 mg/kg (rabbit)	450 ppm/4 hr (rat)
Monoethanolamine	1720 mg/kg (rat)	1015 mg/kg (rabbit)	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Ethylene glycol monobutyl ether: Fish: Other fish: LC50 = 220 mg/l; 96 hrs Invertebrates: Water flea: EC50 = 1815 mg/l; 24 hrs
Monoethanolamine:	Fish: Fathead minnow: LC50 = 227 mg/l; 96 hrs Invertebrates: Water flea: EC50 = 65 mg/l; 48 hrs Algae: Green algae: EC50 = 15 mg/l; 72 hrs
Persistence and Degradability:	No data.
Bioaccumulation:	Not expect to be a bioaccumulator.
Mobility:	No data.
Other Adverse Effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods:	
Disposal of Wastes:	Dispose of product in accordance with local, state, and federal regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Other Information:	None.

SECTION 14 – TRANSPORTATION INFORMATION

DOT:	
UN Number:	UN 3267
Proper Shipping Name:	Corrosive Liquid, Basic, Organic, n.o.s. (Monoethanolamine)
Hazard Class:	8
Packing Group:	III

SECTION 15 – REGULATORY INFORMATION

US Federal Regulations:

TSCA:	All ingredients of this product are listed in the TSCA inventory.
SARA 313:	This product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and Title 40 CFR 372.

Chemical Name	CAS Number	Percent Weight
Ethylene glycol monobutyl ether	111-76-2	10-20

US State Regulations:

California: This product contains the following chemical or chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm: None.

SECTION 16 – OTHER INFORMATION

Issue Date: March 30, 1993

Revision Date: December 24, 2014

Health	Flammability	Reactivity	Personal Protection
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