

SECTION 1 - IDENTIFICATION

Product: TOUGH-AS-NAILS™

Recommended use of the chemical and restrictions on use:

Uses: 22% solids metal-interlocking floor coating.

List of advices against: None.

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:	This product contains no reportable hazardous components according to US Federal Regulations. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.
	This product contains no substances which at their given concentration, are considered to be hazardous to health.
Signal Word:	None required.
Hazard Statements:	None required.
Pictograms:	None required.
Precautionary Statements:	None required.
Other Hazards:	Harmful to aquatic life with long lasting effects.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent Weight
Tributoxyethyl phosphate	78-51-3	1-5
Glycol ether TPM	25498-49-1	1-5
Di(ethylene glycol) ethyl ether	111-90-0	1-5
Dipropylene glycol monomethyl ether (DPM)	34590	1-5

SECTION 4 – FIRST AID MEASURES

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

Skin Contact: No adverse effects expected. If irritation occurs, wash with water to remove product. Remove contaminated clothing and wash before reuse. If difficulties arise, contact a physician.

Inhalation: No adverse effects expected. Not an inhalation hazard.

Ingestion: No adverse effects expected under normal use. If large quantities are swallowed, contact a physician.

Most Important Symptoms and Effects:

Acute: May cause eye irritation with contact with product or mists. This is characterized by redness and swelling of the eye.

Delayed: Repeated or prolonged exposure to skin may cause dermatitis.

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

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media: Product is nonflammable. Use extinguishing media appropriate for surrounding fire.

Specific Hazards Arising From the Substance or Product:

Hazardous Combustion Products: High temperature steam, potentially oxides of carbon.

Protective Equipment and Precautions for Firefighters: Will not burn or support combustion. Use water spray to cool fire exposed containers and to flush spills. Spilled material may cause the floor to be slippery. Fire fighters wear self-contained breathing apparatus with full face piece in pressure demand or other positive pressure mode for surrounding fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Product is slippery. Wear appropriate personal protection equipment.

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods and Materials for Containment and Cleaning Up: Contain spill if possible. Absorb on mineral clay absorbent material. Shovel into DOT approved container for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Avoid spills and clean them up immediately when they occur. Product is slippery. For industrial or professional use only. **KEEP OUT OF REACH OF CHILDREN!**

Conditions for Safe Storage: Keep container closed when not in use. Protect from freezing. Store at temperatures below 120°F. Water contamination should be avoided.

Incompatibilities: Avoid strong acids.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits and Recommendations:

Chemical Name	OSHA PEL	ACGIH TLV	Other Exposure Limits
Dipropylene glycol monomethyl ether (DPM)	TWA: 100 ppm	TWA:100 ppm	TWA: 100 ppm (NIOSH IDLH)

Engineering Controls: Normal ventilation.

Personal Protection Measures:

Respiratory Protection: Not normally required.

Skin and Body: Use of chemical resistant gloves recommended.

Eye Protection: Safety glasses recommended.

Other Recommendations: None.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Opaque white emulsion.
Odor Threshold:	Not determined.
pH:	8.5 – 9.0
Freezing Point:	32°F
Boiling Point:	212°F
Flash Point:	None.
Evaporation Rate (BUAC=1):	Slower.
Flammability:	Product is not flammable.
Flammability or Explosion Limits:	Upper: Not applicable. Lower: Not applicable.
Vapor Pressure:	Not determined.
Specific Gravity:	1.028
Solubility in Water:	Emulsifiable.
Solubility in Other Solvents:	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Auto-ignition Temperature:	Not applicable.
Decomposition Temperature:	Not determined.
Viscosity:	Not determined.
Other Information:	None.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable.
Possible Hazardous Reactions:	None known.
Conditions to Avoid:	Excessive heat, freezing temperatures.
Incompatible Materials:	Strong acids.
Hazardous Decomposition Products:	Oxides of carbon.

SECTION 11 – TOXICOLOGICAL INFORMATION**Routes of Exposure:**

Inhalation	Ingestion	Skin	Eye
	X		

Component:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tributoxyethyl phosphate (78-51-3)	3000 mg/kg (rat)	>5000 mg/kg (rabbit)	>6.4 mg/L (rat) 4 h
Di(ethylene glycol) ethyl ether (111-90-0)	1920 mg/kg (rat)	4200 µL/kg (rabbit); 6 ml/kg (rat)	>5240 mg/m³ (rat) 4 h
Glycol ether TPM (25498-49-1)	3184 mg/kg (rat)	15440 mg/kg (rabbit)	
Dipropylene glycol monomethyl ether (DPM) (34590-94-8)	5230 mg/kg (rat)	9500 mg/kg (rabbit)	
Alcohol ethoxylate (68439-46-3)	1378 mg/kg (rat)	>2 g/kg (rabbit)	

Physical, Chemical and Toxicological Effects:

Symptoms: May cause eye irritation with contact with product or mists. This is characterized by redness and swelling of the eye. Prolonged or repeated skin contact may cause irritation or dermatitis.

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

Sensitization: Not a skin sensitizer.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: This product has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

Reproductive Toxicity: This product does not contain any known or suspected reproductive hazards.

Specific Target Organ Toxicity: Eye (Single Exposure).

Numerical Measures of Toxicity:

Product: Not determined.

SECTION 12 – ECOLOGICAL INFORMATION**Component:**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tributoxyethyl phosphate (78-51-3)		10.4-12.0 mg/L: 96 h Pimephales promelas LC50 flow-through		
Di(ethylene glycol) ethyl ether (111-90-0)		11600-16700 mg/L: 96 h Pimephales promelas LC50 flow-through		3940-4670 mg/L: 48 h Daphnia magna EC50

Glycol ether TPM (25498-49-1)		11619 mg/L: 96 h Pimephales promelas LC50 static		10 mg/L: 48 h Daphnia magna EC50
Dipropylene glycol monomethyl ether (DPM) (34590-94-8)		10000 mg/L: 96 h Pimephales promelas LC50 static		1919 mg/L: 48 h Daphnia magna LC50

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Persistence and Degradability: Not determined.

Bioaccumulation: Not determined.

Mobility:

Chemical Name	Partition Coefficient
Tributoxyethyl phosphate (78-51-3)	4.78
Di(ethylene glycol) ethyl ether (111-90-0)	-0.8
Dipropylene glycol monomethyl ether (DPM) (34590-94-8)	-0.064

Other Adverse Effects: Not determined.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: Dispose of product in accordance with national and local 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:	Not listed.
Proper Shipping Name:	Compounds Cleaning Liquid.
Hazard Class:	Not applicable.
Packing Group:	Not applicable.

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
Glycol ether TPM	25498-49-1	1-5
Di(ethylene glycol) ethyl ether	111-90-0	1-5
Dipropylene glycol monomethyl ether (DPM)	34590	1-5

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 27, 2005

Revision Date: December 11, 2013

Health	Flammability	Reactivity	Personal Protection
1	0	0	B

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