

MATERIAL SAFETY DATA SHEET

WORKING COPY
Supplier MSDS



Date Issued: 03/28/2010
MSDS No: Anti Slip

InvisaTread™ Anti-Slip Solution

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: InvisaTread™ Anti-Slip Solution

GENERAL USE: Anti Slip surface treatment

PRODUCT DESCRIPTION: Hard Mineral Surface Treatment

PRODUCT FORMULATION NAME: InvisaTread

CHEMICAL FAMILY: Acid Base Surface Treatment

MANUFACTURER

Anti Slip Solutions, LLC

Service Number: 888-842-3356

24 HR. EMERGENCY TELEPHONE NUMBERS

888-843-3356 Ext. 802

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"C" - Corrosive

R21: Harmful in contact with skin.

R22: Harmful if swallowed.

R36: Irritating to eyes.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear and colorless aqueous solution with characteristic odor.

IMMEDIATE CONCERNS: **WARNING!** Harmful if swallowed.

CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: May cause moderate eye irritation. May cause corneal injury and moderate conjunctivitis following contact

SKIN: May cause moderate irritation to the skin.

SKIN ABSORPTION: Repeated, prolonged skin contact not expected to result in absorption of harmful amounts of harmful materials.

INGESTION: Expected to cause significant irritation to the digestive tract.

INHALATION: Not expected to cause significant irritation of the lungs, upper respiratory tract or nose.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Can cause irritation and moderate conjunctivitis following contact.

SKIN: Redness and possible burning of the skin.

SKIN ABSORPTION: It is unlikely that harmful effects would result during safe handling and use.

INGESTION: Possible nausea and/or vomiting.

INHALATION: Inhalation of mists may cause respiratory irritation.

ACUTE TOXICITY: Not expected to cause significant adverse effects if absorbed through the skin.

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Not expected to cause significant adverse effects if ingested.

May cause harmful effects if mist or vapor is inhaled.

CHRONIC EFFECTS: May irritate mucous membranes and cause corrosive effects to the eyes and digestive system. Corrosive effects are defined as irreversible.

CARCINOGENICITY: Not Listed by NTP

Not listed by IARC

Not listed by OSHA

MUTAGENICITY: Not Available

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: Not expected to be a reproductive toxin.

TERATOGENIC EFFECTS: Not Available

MEDICAL CONDITIONS AGGRAVATED: Possibly skin diseases or respiratory diseases.

TARGET ORGAN STATEMENT: Can cause corrosion of eye, skin and respiratory tract on repeated contact.

CANCER STATEMENT: Not listed as a carcinogen by IARC, NTP or OSHA.

IRRITANCY: May be irritating to the eyes and mildly so to skin.

SENSITIZATION: Not Available

WARNING CAUTION LABELS: Harmful if swallowed. May cause eye irritation.

HEALTH HAZARDS: Users with skin conditions (eczema, psoriasis, etc.) respiratory conditions (asthma, bronchitis, emphysema, etc.) or with chemical sensitivities should take protective precautions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Glycolic Acid	< 15	000079-14-1	201-180-5

4. FIRST AID MEASURES

EYES: Wash eyes with clean flowing water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. If irritation occurs or persists, get medical attention.

SKIN: Remove contaminated clothing including shoes and wash skin with plenty of soap and water. If

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irritation occurs, seek medical advice. Wash contaminated clothing and shoes before reuse.

INGESTION: Wash out mouth with water, keep at rest. Place person on left side with head down. Seek medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

INHALATION: Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Available

FLAMMABLE LIMITS: NA = Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

FLAMMABLE CLASS: Nonflammable

FLAME PROPAGATION OR BURNING RATE OF SOLIDS: Not Applicable

GENERAL HAZARD: Evacuate personnel downwind of fire to avoid inhalation of irritating and/or harmful fumes and smoke.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon

FIRE FIGHTING PROCEDURES: This product is a nonflammable substance. However, hazardous decomposition and combustion products may be formed in a fire situation. Cool exposed containers with water spray to prevent overheating.

FIRE FIGHTING EQUIPMENT: Respiratory and eye protection are required for fire fighting personnel. Full protective equipment (Bunker Gear) and self contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may easily be extinguished with a portable fire extinguisher, use of a SCBA may not be required.

SENSITIVE TO STATIC DISCHARGE: Not expected to be sensitive to static discharge.

SENSITIVITY TO IMPACT: Not expected to be sensitive to impact.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated in Section 8, move the leaking container to a containment area or rotate the container so that the opening is above the liquid level.

Neutralize with lime or other base, then absorb on diatomaceous earth or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility according to current applicable laws and regulations, and product characteristics at time of disposal.

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LARGE SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material.

Wearing the appropriate personal protective equipment designated in Section 8, close or cap valves and/or block or plug hole in leaking container and transfer to another container.

Contain material as described above and call the local fire or police department for immediate emergency assistance.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Use appropriate containment to avoid runoff or release to sewer or waterways.

LAND SPILL: Use appropriate containment to avoid runoff or release to ground.

GENERAL PROCEDURES: Remove containers of strong oxidizers and strong bases from release area.

RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the U.S., contact the US COAST GUARD NATIONAL RESPONSE CENTER toll free number 800-424-8802.

In case of accident or road spill notify: CHEMTREC in USA at 800-424-9300 CANUTEC in Canada at 613-996-6666 CHEMTREC, other countries, at (International code)+1 703 527 3887

SPECIAL PROTECTIVE EQUIPMENT: After assessing the remedial steps to be taken and the risk of exposure, employ appropriate personal protective equipment (see Sec. 8).

COMMENTS: Large and small spills may have a broad definition depending on the user's handling system. Therefore, the spill category must be defined at the point of release by technically qualified personnel.

7. HANDLING AND STORAGE

HANDLING: Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

STORAGE: Store in unopened containers under cool and dry conditions. Do

not store with, or close to oxidizers and bases.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
			EXPOSURE LIMITS	
			Supplier OEL	
Chemical Name			ppm	mg/m ³
Glycolic Acid	TWA		NL	10
	STEL		NL	NL

ENGINEERING CONTROLS: Good ventilation should be sufficient to control airborne levels of material.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

SKIN: Where contact is likely, wear neoprene or Viton chemical resistant gloves, a chemical suit, rubber boots, chemical safety goggles and a face shield.

RESPIRATORY: Always wear NIOSH approved respiratory protective equipment when vapor or mists may exceed applicable concentration limits.

PROTECTIVE CLOTHING: Long sleeved clothing should always be considered when handling chemical substances.

WORK HYGIENIC PRACTICES: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

Good personal hygiene practices should always be followed. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Hands and any other exposed area should be washed thoroughly with soap and water after contact. Regular laundering of contaminated clothing is essential to reduce indirect skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint

APPEARANCE: Clear, colorless, non-viscous, liquid

COLOR: Colorless to pale yellow liquid

pH: > 3

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

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FREEZING POINT: Not Available

MELTING POINT: Not Available

FLASHPOINT AND METHOD: Not Available

SOLUBILITY IN WATER: Fully miscible

DENSITY: Slightly greater than water.

SPECIFIC GRAVITY: Slightly greater than water.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: The product is stable under normal (ambient) conditions of temperature and pressure.

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Avoid contact with oxidizers, strong bases, and excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

INCOMPATIBLE MATERIALS: Strong Oxidizers

Strong bases

Active Metals

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
N/A	

EYE EFFECTS: This material is corrosive to the eyes.

SKIN EFFECTS: This material is corrosive to the skin.

CARCINOGENICITY

IARC: Not listed by IARC

NTP: Not listed by NTP.

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OSHA: Not listed by OSHA

TARGET ORGANS: Eyes
Gastrointestinal tract
Skin
Liver
Kidney

TERATOGENIC EFFECTS: Not Available

SYNERGISTIC MATERIALS: Not Available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not expected to cause significant adverse environmental impact if material reaches waterways.

ECOTOXICOLOGICAL INFORMATION: Not Available

DISTRIBUTION: Not Available

CHEMICAL FATE INFORMATION: Not Available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

FOR LARGE SPILLS: Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations.

PRODUCT DISPOSAL: Collect in appropriate containers. Dispose of waste at an appropriate waste disposal facility in accordance with current applicable laws and regulation, and product characteristics at time of disposal.

EMPTY CONTAINER: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or other procedures approved by state and local authorities.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Consumer Commodity

PRIMARY HAZARD CLASS/DIVISION: ORM-D

NAERG: 154

AIR (ICAO/IATA)

SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S.

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TECHNICAL NAME: Contains glycolic acid.

UN/NA NUMBER: 3264

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

ERG: 154

LABEL: Corrosive

VESSEL (IMO/IMDG)

SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S.

TECHNICAL NAME: Contains glycolic acid.

UN/NA NUMBER: 3264

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

LIMITED QUANTITY: Yes

LABEL: Corrosive

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Corrosive Liquid, Acidic, Inorganic, N.O.S.

TECHNICAL NAME: Contains glycolic acid.

UN/NA NUMBER: 3264

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No **313**

REPORTABLE INGREDIENTS: Not Applicable

TITLE III NOTES: Not Applicable

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TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Glycolic Acid	000079-14-1

TSCA REGULATORY: All intentional ingredients are listed on the TSCA Inventory.

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



Corrosive
Corrosive: Class E



16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS

APPROVED BY: Anti-Slip Solutions, LLC

PREPARED BY: Todd Sherman

INFORMATION CONTACT: 888-843-3356 Ext. 802

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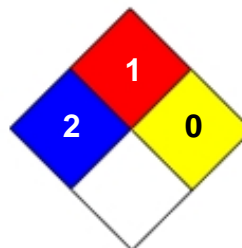
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HMIS RATING

HEALTH:	2
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	B

NFPA CODES



HMIS RATINGS NOTES: B- Safety Glasses, Gloves

MANUFACTURER DISCLAIMER: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.