

Tuff Toe, Inc.

TuffToe®
217-B
(Colored
Side)

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Effective Date: 10/21/2005

Material Safety Data Sheet

HMIS RATING

1. Product Identification

Trade Name: Tuff Toe Pro, Tuff Toe Multisport

Chemical Family: Modified Polyamine

Intended Use or Product Type: Shoe Repair/Protection

Health	1
Flammability	1
Reactivity	0
Protective Equipment	x

2. Composition/Information on Ingredients

O S H A	CAS No.	Chemical Identity	Exposure Limits				Carcinogen Status			
			ACGIH		OSHA		MFR	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	106264-79-3 Common Name 4	Aromatic Diamine	1ppm	NE	NE	NE	NE	NR	NR	NR
	9046-10-0 Common Name 1	Organosiloxane Trade Secret	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed * = OSHA Hazardous

This material does not contain any hazardous substances at or above OSHA and WHMIS reportable levels.

3. HAZARDS IDENTIFICATION

Emergency Overview: Corrosive. Will cause eye and skin burns.

Primary Route(s) of Entry: Dermal

4. First Aid Measures

Ingestion: If swallowed, give at least 3-4 glasses of water but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

Skin: For skin contact, immediately wipe away excess material with a dry towel while removing contaminated clothing and shoes. Under a safety shower, wash affected areas thoroughly with large amounts of water, and soap if available, for at least 15 minutes. Get immediate medical attention. Discard or decontaminate clothing before re-use and destroy contaminated shoes.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If physician is not available, flush for an additional 15 minutes. Get immediate medical attention.

Overexposure Effects: Direct or prolonged skin or eye contact can cause skin and eye burns. Swallowing liquid can burn mouth and cause nausea, vomiting, diarrhea, abdominal pain and collapse. Can cause allergic skin and respiratory reactions after repetitive exposure. Animal studies on component(s) have shown effects on liver and fetus.

Medical Conditions Aggravated by Exposure: Allergic conditions.

Additional Information: Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

5. FIRE FIGHTING MEASURES

Flash Point: >200°F (>93°C)

Method Used: Closed Cup

Fire Fighting Extinguishing Media: Carbon dioxide, foam, dry chemical, water spray.

Fire Fighting Equipment: Use self-contained breathing apparatus.

Fire and Explosion Hazards: Decomposition and combustion products may be toxic.

6. ACCIDENTAL RELEASE MEASURES

Accidental Release Measures: Avoid all personal contact. Take up with absorbent material. Shovel into closable containers. Flush contaminated area with water.

7. HANDLING AND STORAGE

Precautions: Do not get in eyes, on skin or on clothing. Do not breathe vapor, mist or spray. Use only with good ventilation. Promptly remove contaminated non-impervious clothing, wash before reuse. Destroy contaminated leather and absorbent shoes. Wash thoroughly after handling.

Storage Information: Store in tightly closed water impermeable containers to prevent moisture absorption and contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment: Wear protective equipment to prevent exposure and personal contact.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Organic chemical cartridge respirator, if needed.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation. Local exhaust recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: Amine

Physical State: Liquid

Solubility in Water: Miscible

Specific Gravity: 1.07 at 20°C (68°F) (H₂O = 1)

Boiling Point: >200°C (.392°F)

Vapor Density: Greater Than Air

pH: ~ 11

Percent Volatile:

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizing agents, acids, copper and its alloys.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, nitrogen oxides.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral Effects (LD50): (Rat)2600mg/kg.

Acute Dermal Toxicity (LD50): (Rat) 2600 mg/kg.

Inhalation Toxicity (LC50): Respiratory irritant.

Sensitization: Sensitizer

Skin Irritation: (Rabbit) Extreme irritant; corrosive.

Eye Irritation: Severe eye irritant.

12. ECOLOGICAL INFORMATION

Additional Information: No ecological information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

US DOT & CANADA TDG SURFACE

Valuation.....: not Regulated

Transport by sea IMDG-Code

Valuation.....: not Regulated

Air transport ICAO-TI/IATA-DGR

Valuation.....: not Regulated

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above the minimum levels.

HAPS:

This material does not contain any hazardous air pollutants.

U.S. STATE REGULATIONS

California Proposition 65 Carcinogens:

This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:

This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:

This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:

This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:

This material contains no listed components.

CANADIAN REGULATIONS

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:

None.

DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

Non-DSL Chemicals:

This material does not contain any non-DSL chemicals.

Canadian Ingredient Disclosure List:

This material contains no listed components.

OTHER INTERNATIONAL REGULATIONS

EU Risk Phrases:

R-Phrase Description

R- -

EU Safety Phrases:

S-Phrase Description

S- -

Details of international registration status

Listed on the following inventories:

PICCS - Philippines

EINECS - Europe

ENCS - Japan

ECL - Korea

AICS - Australia

16. OTHER INFORMATION

Disclaimer: The following supercedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled or lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.