

TUFF-N-DRI H8 WATERPROOFING BULK

Version 1.

Print Date 05/08/2008

REVISION DATE: 02/07/2008

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TUFF-N-DRI H8 WATERPROOFING BULK
 Product code : TBS370

COMPANY : Tremco Incorporated
 3735 Green Road
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST
 After Hours: Chemtrec 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION
Emergency Overview

Brown. Liquid. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : May cause slight irritation to the respiratory system.
 Eyes : Direct contact may cause mild irritation.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
 Skin : May cause mild irritation. May cause sensitization resulting in irritation, itching and redness. May cause a rash.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Prolonged or repeated skin contact with asphalt may result in skin sensitivity, such as irritation, rashes, and dermatitis. Prolonged or repeated exposure to polycyclic aromatic hydrocarbons and other volatiles which are contained in trace amounts in asphalt have been shown to cause cancer or respiratory damage in animals. Fillers are encapsulated and not expected to be released from product under normal conditions of use. Prolonged or repeated exposure to mineral spirits (petroleum naphtha or stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

Target Organs: Skin, Eye, Lung

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Asphalt	8052-42-4	40.0 - 70.0
Water	7732-18-5	30.0 - 60.0
Stoddard solvent (Mineral Spirits)	8052-41-3	3.0 - 7.0
Polymer modifier	NJ TSRN# 51721300-5395P	3.0 - 7.0
Styrene-butadiene copolymers	NJ TSRN# 51721300-5132P	1.0 - 5.0
Wood rosin	8050-09-7	- <1.0
Ammonium hydroxide	1336-21-6	- <1.0

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SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
- Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 - FIRE FIGHTING MEASURES

- Flash point : 212 °F, 100 °C
- Method : Not available.
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : If water fog is ineffective, use carbon dioxide, dry chemical or foam.
- Hazardous combustion products : Carbon monoxide and carbon dioxide can form. Oxides of sulfur can form.
- Protective equipment for firefighters : Not applicable. Product is not expected to burn.
- Fire and explosion conditions : Not applicable, not expected to burn.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

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- Eye protection : Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.
- Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Asphalt	8052-42-4	ACGIH TWA: benzene solubles	0.5 mg/m ³	Inhalable fraction.as
Stoddard solvent (Mineral Spirits)	8052-41-3	ACGIH TWA: OSHA PEL:	100 ppm 2,900 mg/m ³	
Polymer modifier	NJ TSRN# 51721300-5395P	ACGIH TWA: total protein	0.001 mg/m ³	Inhalable fraction.as
Ammonium hydroxide	1336-21-6	ACGIH TWA: ACGIH STEL: OSHA PEL:	25 ppm 35 ppm 35 mg/m ³	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Color : Brown
- Odor : Asphalt
- pH : 10 - 11.8
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : 100 °C, 212 °F
- Water solubility : Dispersible
- Specific Gravity : 0.9 - 1.1
- % Volatile Weight : 36 %

SECTION 10 - REACTIVITY / STABILITY

- Substances to avoid : Oxidizing agents.
- Stability : Material is stable under normal storage, handling, and use.
- Hazardous polymerization : Will not occur under normal conditions.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Ammonium hydroxide, CAS-No.: 1336-21-6
 Acute oral toxicity (LD-50 oral) 350 mg/kg (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
 NOT REGULATED

SECTION 15 - REGULATORY INFORMATION
North American Inventories:

All components are listed or exempt from the TSCA inventory.
 This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

Asphalt	8052-42-4
Stoddard solvent (Mineral Spirits)	8052-41-3
Polymer modifier	NJ TSRN# 51721300-5395P
Wood rosin	8050-09-7
Ammonium hydroxide	1336-21-6

OSHA Status: Considered : Irritant
 hazardous based on the
 following criteria:

OSHA Flammability : IIIB

Regulatory VOC (less water and
 exempt solvent) : 63 g/l

VOC Method 310 : 4 %



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U.S. State Regulations:

MASS RTK Components	:	Asphalt	8052-42-4
		Stoddard solvent (Mineral Spirits)	8052-41-3
Penn RTK Components	:	Asphalt	8052-42-4
		Water	7732-18-5
		Stoddard solvent (Mineral Spirits)	8052-41-3
		Polymer modifier	NJ TSRN# 51721300-5395P
NJ RTK Components	:	Asphalt	8052-42-4
		Water	7732-18-5
		Stoddard solvent (Mineral Spirits)	8052-41-3
		Polymer modifier	NJ TSRN# 51721300-5395P
		Styrene-butadiene copolymers	NJ TSRN# 51721300-5132P

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

8052-42-4	Asphalt
140-88-5	Ethyl Acrylate

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	1
Reactivity	0
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 3 = Serious
- 4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

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| ACGIH - American Conference of Governmental Hygienists | PEL - Permissible Exposure Limit |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act | RCRA - Resource Conservation and Recovery Act |
| DOT - Department of Transportation | RTK - Right To Know |
| DSL - Domestic Substance List | SARA - Superfund Amendments and Reauthorization Act |
| EPA - Environmental Protection Agency | STEL - Short Term Exposure Limit |
| HMIS - Hazardous Materials Information System | TLV - Threshold Limit Value |
| IARC - International Agency for Research on Cancer | TSCA - Toxic Substances Control Act |
| MSHA - Mine Safety Health Administration | TWA - Time Weighted Average |
| NDSL - Non-Domestic Substance List | V - Volume |
| NIOSH - National Institute for Occupational Safety and Health | VOC - Volatile Organic Compound |
| NTP - National Toxicology Program | WHMIS - Workplace Hazardous Materials Information System |
| OSHA - Occupational Safety and Health Administration | |