

TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0

Print Date 07/16/2014

REVISION DATE: 07/08/2012

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TUFF-N DRI H8 WATERPROOFING 52 GAL DRM
 Product code : TBS371B

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. Carbon black is classified by IARC to be a known animal carcinogen and a possible human carcinogen (Group 2B). Carbon black is encapsulated by resin and not expected to have adverse effects unless made airborne. 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	15.0 - 40.0
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
Amorphous silica	7631-86-9	1.0 - 5.0



TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0

Print Date 07/16/2014

REVISION DATE: 07/08/2012

Carbon Black	1333-86-4	0.1 - 1.0
Paraffinic distillate	64742-04-7	0.1 - 1.0
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0

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



TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0

Print Date 07/16/2014

REVISION DATE: 07/08/2012

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

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Asphalt	8052-42-4	ACGIH TWA: benzene solubles	0.5 mg/m3	Inhalable fraction.as
Stoddard solvent (Mineral Spirits)	8052-41-3	ACGIH TWA: OSHA PEL:	100 ppm 2,900 mg/m3	
Polymer modifier	NJ TSRN# 51721300-5395P	ACGIH TWA: allergenic protein	0.0001 mg/m3	Inhalable fraction.as
Amorphous silica	7631-86-9	ACGIH TWA: ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA:	3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3 0.8 mg/m3	Respirable particles. Inhalable particles. Total dust. Respirable fraction.

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 : 33 %



TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0
REVISION DATE: 07/08/2012

Print Date 07/16/2014

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.

SECTION 11 - TOXICOLOGICAL INFORMATION

Amorphous silica, CAS-No.: 7631-86-9
Acute oral toxicity (LD-50 oral) 22,500 mg/kg (Rat) 15,000 mg/kg (Mouse)

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

CFR / DOT:

Not Regulated

TDG:

Not Regulated

IMDG:

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.



TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0

Print Date 07/16/2014

REVISION DATE: 07/08/2012

SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

OSHA Hazardous Components :

Asphalt	8052-42-4
Stoddard solvent (Mineral Spirits)	8052-41-3
Polymer modifier	NJ TSRN# 51721300-5395P
Amorphous silica	7631-86-9
Carbon Black	1333-86-4
Paraffinic distillate	64742-04-7
1,2,4-Trimethylbenzene	95-63-6

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

OSHA Flammability : IIIB

Regulatory VOC (less water and : 51 g/l
exempt solvent)

VOC Method 310 : 4 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Carbon Black	1333-86-4
Paraffinic distillate	64742-04-7

U.S. State Regulations:

MASS RTK Components : Asphalt 8052-42-4
Stoddard solvent (Mineral Spirits) 8052-41-3
Amorphous silica 7631-86-9
Paraffinic distillate 64742-04-7
Hydrogen sulfide 7783-06-4
Crystalline Silica (Quartz)/ Silica Sand 14808-60-7
Ethyl Acrylate 140-88-5
1,3-Butadiene 106-99-0
Styrene 100-42-5

Penn RTK Components : Asphalt 8052-42-4
Water 7732-18-5
Stoddard solvent (Mineral Spirits) 8052-41-3
Polymer modifier NJ TSRN# 51721300-5395P
Amorphous silica 7631-86-9

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
Amorphous silica 7631-86-9
Carbon Black 1333-86-4
Paraffinic distillate 64742-04-7

Components under California Proposition 65:



TUFF-N DRI H8 WATERPROOFING 52 GAL DRM

Version 2.0

Print Date 07/16/2014

REVISION DATE: 07/08/2012

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

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

ACGIH - American Conference of Governmental Hygienists

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

DOT - Department of Transportation

DSL - Domestic Substance List

EPA - Environmental Protection Agency

HMIS - Hazardous Materials Information System

IARC - International Agency for Research on Cancer

MSHA - Mine Safety Health Administration

NDSL - Non-Domestic Substance List

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

RCRA - Resource Conservation and Recovery Act

RTK - Right To Know

SARA - Superfund Amendments and Reauthorization Act

STEL - Short Term Exposure Limit

TLV - Threshold Limit Value

TSCA - Toxic Substances Control Act

TWA - Time Weighted Average

V - Volume

VOC - Volatile Organic Compound

WHMIS - Workplace Hazardous Materials Information System