

**TUFF-N DRI BULK**Version 1.1  
REVISION DATE: 08/31/2006

Print Date 08/06/2008

**SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION****Product Information**Trade name : TUFF-N DRI BULK  
Product code : TBS100Supplier : Tremco Canada division  
220 Wicksteed Avenue  
Toronto, ON M4H 1G7Telephone : (416) 421-3300  
Emergency Phone: : (613) 996-6666**Preparation Information**Prepared by: : Sewnauth Raghunandan  
Date: : 08/31/2006  
Telephone : (416) 421-3300**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 : HAZARDOUS INGREDIENTS**

Chemical Name	CAS-No.	Weight % Range
Asphalt	8052-42-4	40.0 - 70.0
Stoddard solvent (Mineral Spirits)	8052-41-3	5.0 - 10.0
1,2,4-Trimethylbenzene	95-63-6	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

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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 / EXPLOSION HAZARDS**

- |                                       |   |   |
|---------------------------------------|---|---|
| Flash point                           | : | > 212 °F, > 100 °C  |
| Method                                | : | Pensky-Martens Closed Cup   |
| 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 - SPILLS / LEAKS / 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 - PREVENTIVE MEASURES/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. |
| Eye protection         | : | Wear chemical safety goggles and/or face shield to prevent eye contact. Do                |

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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:	0.5 mg/m <sup>3</sup>	Inhalable fraction.as
		benzene solubles		
		Ontario TWA:	0.5 mg/m <sup>3</sup>	Inhalable fumeas
		benzene solubles		
Stoddard solvent (Mineral Spirits)	8052-41-3	Ontario TWA:	525 mg/m <sup>3</sup>	
		ACGIH TWA:	100 ppm	
1,2,4-Trimethylbenzene	95-63-6	Ontario TWA:	123 mg/m <sup>3</sup>	
		ACGIH TWA:	25 ppm	

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid

Form : Liquid

Color : Brown

Odor : Asphalt

pH : 8 - 12

Vapour pressure : Not available.

Vapor density : Heavier than air

Melting point/range : Not available.

Freezing point : Not available.

Boiling point/range : 212 °F, 100 °C

Water solubility : Dispersible

Evaporation Rate: : Not available.

Specific Gravity : 1

% Volatile Weight : 30 %

## 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**

No Data Available

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - WASTE DISPOSAL CONSIDERATIONS**

Disposal Method : Dispose as hazardous waste according to all local, state, federal and provincial 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.

**Canadian Regulations:**

WHMIS Classification : D2A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**Other Regulations:**

Regulatory VOC (less water and exempt solvent) : 87 g/l

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	1
Reactivity	0
PPE	

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



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**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: Sewnauth Raghunandan**

**Legend**

- |   |  |
|---|--|
| ACGIH - American Conference of Governmental Hygienists        | OSHA - Occupational Safety and Health Administration     |
| DOT - Department of Transportation                            | PEL - Permissible Exposure Limit                         |
| DSL - Domestic Substance List                                 | RCRA - Resource Conservation and Recovery 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 |