

**PREMIUM III**Version 2.  
REVISION DATE: 05/08/2009

Print Date 05/09/2009

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : PREMIUM III  
 Product code : 372000 501

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**

Black. Solid. Fumes irritating to the respiratory tract. Vapors from hot material may cause headaches, dizziness, nausea, nose, throat, and mucous membrane irritation. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : Fumes irritating to the respiratory tract. Vapors from hot material may cause headaches, dizziness, nausea, nose, throat, and mucous membrane irritation.

Eyes : Heated material will cause thermal burns. Fumes from heated product may cause tearing, irritation, and redness.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause mild irritation. Hot material will cause burns. May cause sensitization. May cause a rash.

**Aggravated Medical Conditions**

Pre-existing eye, skin, liver, kidney, 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. Hydrogen sulfide, an extremely flammable, highly toxic gas, is emitted from heated asphalt and may accumulate in storage and bulk transport compartments. At low concentrations hydrogen sulfide is irritating to eyes and throat and at high concentrations can cause rapid unconsciousness and death. The odor of hydrogen sulfide cannot be used as an indicator of concentration of the gas. Always exercise caution when working around closed bulk containers of asphalt. Use ventilation or work upwind from source of fumes or vapors. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**Target Organs:** Skin, Lung, Eye, Liver, Kidney

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Asphalt	8052-42-4	> 60.0
Hydrogen sulfide	7783-06-4	1.0 - 5.0

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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 : If hot material strikes the skin, immediately drench or immerse the area in water to assist cooling. If available, apply iced water or ice packs to the burned area. (DO NOT use iced water or ice packs if the burned area covers greater than 10% of the body, as this may contribute to shock.) DO NOT try to remove asphalt from a burn after it has cooled. Seek medical attention. Medical personnel can soften and remove cooled asphalt with petroleum jelly. For contact with cold material, clean with a waterless hand cleaner, then wash with mild soap and water. If irritation persists, seek medical attention.
- 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 : > 500 °F, > 260 °C
- Method : Cleveland Open 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 : Smoke, fumes. Carbon monoxide and carbon dioxide can form. Oxides of sulfur can form.
- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use. Product may ignite if heated in excess of its flash point.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Use appropriate protective equipment. Avoid contact with material. If hot, stop flow. Contain spill. Keep out of water courses. Allow material to cool. Scrape up and transfer to appropriate container for disposal.

**SECTION 7 - HANDLING AND STORAGE**

During manufacture, caution must be used to prevent contact with hot material. Prevent inhalation of vapor. Product is heated during processing. Avoid contact with hot material. Wear heat resistant gloves. Do not inhale vapor or fumes. In case of contact with skin or eyes, apply cold water immediately and get medical attention as soon as possible. Do not heat in excess of the flash point. Do not use in confined or poorly ventilated areas. Store in sealed containers in a cool, dry, ventilated warehouse location.

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection equipment**

- Respiratory protection : Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use heat resistant gloves and protective apparel for hot material.
- Eye protection : Wear appropriate 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.
- Skin and body protection : Use a face shield impervious to hot bitumen. Use slip resistant shoes impervious to hot bitumen.
- Protective measures : Use professional judgment in the selection, care, and use. During torch application, protect hands with heat resistant gloves and use slip resistant shoes impervious to hot bitumen. Protect hands with suitable gloves when handling finished product.
- Engineering measures : Use general ventilation and/ or local exhaust to reduce the airborne contaminant concentration below the exposure limit listed in the MSDS

**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/m <sup>3</sup>	Inhalable fraction.as
Hydrogen sulfide	7783-06-4	ACGIH TWA: ACGIH STEL:	10 ppm 15 ppm	

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Solid
- Color : Black
- Odor : Asphalt
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Insoluble
- Specific Gravity : 1.04
- % Volatile Weight : 1 %



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**SECTION 10 - REACTIVITY / STABILITY**

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

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Hydrogen sulfide, CAS-No.: 7783-06-4  
Acute inhalation toxicity (LC-50) 0.38 mg/l for 960 min (Rat) 0.7 mg/l for 35 min (Monkey) 1.5 mg/l for 18 min (Mouse) 0.38 mg/l for 410 min (Mouse) 0.096 mg/l for 804 min (Mouse) 0.024 mg/l for 960 min (Mouse) 1.5 mg/l for 14 min (Rat)

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Dispose of 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  
Hydrogen sulfide 7783-06-4

OSHA Status: Considered : Irritant  
hazardous based on the

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following criteria:

- OSHA Flammability : IIIB
- Regulatory VOC (less water and exempt solvent) : 10 g/l
- VOC Method 310 : 1 %

**U.S. State Regulations:**

- MASS RTK Components : Asphalt 8052-42-4  
Hydrogen sulfide 7783-06-4
- Penn RTK Components : Asphalt 8052-42-4  
Hydrogen sulfide 7783-06-4
- NJ RTK Components : Asphalt 8052-42-4  
Hydrogen sulfide 7783-06-4

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:  
8052-42-4 Asphalt

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
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

