



TP6100 BM (AKA PQ-6100(BM)MEMBRANE C)

Version 1.
REVISION DATE: 07/18/2007

Print Date 02/15/2008

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : TP6100 BM (AKA PQ-6100(BM)MEMBRANE C)
 Product code : 87210BM860

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

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.

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

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Asphalt	8052-42-4	40.0 - 70.0
Magnesite	546-93-0	15.0 - 40.0
Calcium carbonate	471-34-1	15.0 - 40.0
Styrene-butadiene copolymers	NJ TSRN# 51721300-5132P	5.0 - 10.0
Residual oils (petroleum)	64742-62-7	3.0 - 7.0
Carbon Black	1333-86-4	1.0 - 5.0
Paraffinic distillate	64742-04-7	1.0 - 5.0

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SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

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| 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 | : | Not available. |
| 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 | : | 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 ³	Inhalable fraction.as
Magnesite	546-93-0	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	10 mg/m ³ 5 mg/m ³ 15 mg/m ³ 15 mg/m ³ 5 mg/m ³	Respirable fraction. Total dust. Total dust. Respirable fraction.
Carbon Black	1333-86-4	ACGIH TWA: OSHA PEL: OSHA TWA: OSHA TWA:	3.5 mg/m ³ 3.5 mg/m ³ 15 mg/m ³ 5 mg/m ³	Total dust. Respirable fraction.
Paraffinic distillate	64742-04-7	ACGIH TWA: ACGIH STEL:	5 mg/m ³ 10 mg/m ³	Mist. Mist.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Solid
- Color : Black
- Odor : Asphalt
- pH : Not available.
- Vapour pressure : Not available.

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Vapor density : Heavier than air
Melting point/range : Not available.
Freezing point : Not available.
Boiling point/range : Not available.
Water solubility : Insoluble
Specific Gravity : 1.33
% Volatile Weight : 1 %

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

Calcium carbonate, CAS-No.: 471-34-1
Acute oral toxicity (LD-50 oral) 6,450 mg/kg (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

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Chronic Health Hazard

OSHA Hazardous Components :

Asphalt	8052-42-4
Magnesite	546-93-0
Carbon Black	1333-86-4
Paraffinic distillate	64742-04-7

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

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 16 g/l
 exempt solvent)

VOC Method 310 : 1 %

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
	Magnesite	546-93-0
	Calcium carbonate	471-34-1
	Carbon Black	1333-86-4
	Paraffinic distillate	64742-04-7

Penn RTK Components :	Asphalt	8052-42-4
	Magnesite	546-93-0
	Calcium carbonate	471-34-1
	Styrene-butadiene copolymers	NJ TSRN# 51721300-5132P
	Residual oils (petroleum)	64742-62-7
	Carbon Black	1333-86-4
Paraffinic distillate	64742-04-7	

NJ RTK Components :	Asphalt	8052-42-4
	Magnesite	546-93-0
	Calcium carbonate	471-34-1
	Styrene-butadiene copolymers	NJ TSRN# 51721300-5132P
	Residual oils (petroleum)	64742-62-7
	Carbon Black	1333-86-4
Paraffinic distillate	64742-04-7	

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

8052-42-4	Asphalt
1333-86-4	Carbon Black



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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