



Material Safety Data Sheet

Product #'s: PBV-32 (SKU No. 2205500)

MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: PREMA Black Vulc Cement

Product Use: Adhesive

Manufacturer: PREMA Products, Inc., 1500 Industrial Blvd., Madison, GA 30650

24-Hour Emergency Phone Number: North America: 800-424-9300 (CHEMTREC)

International: 703-527-3887 (CHEMTREC) Collect Calls Accepted

2. PRODUCT INGREDIENTS

| <u>CHEMICAL NAME:</u> | <u>CAS NUMBER:</u> | <u>% RANGE:</u> | <u>OSHA PEL:</u> |
|-----------------------|--------------------|-----------------|---|
| Heptane (n-) | 142-82-5 | 80-100 | 500 ppm TWA; 2000 mg/m ³ TWA |
| Carbon black | 1333-86-4 | 1-5 | 3.5 mg/m ³ TWA |

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Rubber solvent (Naphtha).

The balance of ingredients not rated as hazardous as defined in 29 CFR 1910.1200.

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

This product is regulated under the Canadian Controlled Products Regulations.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

The product is a black, creamy viscous liquid with a rubber solvent odor. **EXTREMELY FLAMMABLE** liquid. This product is harmful by inhalation, when in contact with the skin, eyes and if it is swallowed. Keep this product from heat, sparks, or open flame. Possible cancer hazard. Overexposure may cause damage to the liver, lungs, and kidneys.

EYE: This product may cause irritation to the eyes. Vapors may also produce eye irritation. Contact may cause stinging, watering, and redness.

SKIN: This product may cause irritation to the skin. Contact may cause redness, itching, burning, and skin damage. Prolonged or repeated contact with this product may dry and/or defat the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

INGESTION: Ingestion can cause vomiting. If aspirated (liquid enters the lung), the product may be rapidly absorbed through the lungs and can result in chemical pneumonitis. (DO NOT INDUCE VOMITING.)

INHALATION: This product may be harmful by inhalation. Vapors of this product may cause irritation of the nose, throat, and respiratory tract.

4. FIRST AID



Material Safety Data Sheet

Product #'s: PBV-32 (SKU No. 2205500)

MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

SKIN: For skin contact flush with large amounts of water while removing contaminated clothing. Wash affected area with mild soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

INGESTION: Aspiration hazard: If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Do not induce vomiting. Call a physician immediately.

INHALATION: If inhaled, immediately remove the affected person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.

NOTE TO PHYSICIAN: Provide general supportive measures and treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 7 °F (-13.9 °C)

Method Used: SFCC

Upper Flammable Limit (UFL): 8 (% Volume in Air)

Lower Flammable Limit (LFL): 1 (% Volume in Air)

Flammability Classification: Class 1B

HAZARDOUS COMBUSTION PRODUCTS: Combustion products may include carbon monoxide and unidentified organic compounds.

EXTINGUISHING MEDIA: Dry chemical, foam, carbon dioxide, water fog.

FIRE FIGHTING INSTRUCTIONS: DANGER, EXTREMELY FLAMMABLE! Clear fire area of unprotected personnel and isolate.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

6. ACCIDENTAL RELEASE MEASURES

CONTAINMENT PROCEDURES: Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Handling equipment must be grounded to prevent sparking. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

CLEAN-UP PROCEDURES: Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Absorb spill with inert material. Shovel material into properly labeled closed metal containers for disposal. Place in non-leaking containers for immediate disposal. Flush area with water to remove trace residue. Do not allow the spilled product to enter public drainage system or open watercourses.

EVACUATION PROCEDURES: Persons not wearing appropriate protective equipment should be excluded from area of spill until clean up has been completed.

SPECIAL PROCEDURES: Follow all Local, State, Federal and Provincial regulations for disposal. Notify the proper authorities if entry to the environment occurs.

7. HANDLING & STORAGE

HANDLING: Keep liquid and vapor away from heat, sparks and flames. Surfaces that are sufficiently hot may ignite liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash fire can result. Keep containers closed when not in use. Use with adequate ventilation.



Material Safety Data Sheet

Product #'s: PBV-32 (SKU No. 2205500)

MSDS #: RTT-PR-014 Rev. # 1

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Containers, even those that have been emptied, can contain explosive vapors. DO NOT cut, drill, grind, weld or perform similar operations on or near containers. DO NOT pressurize drum containers to empty them.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Air-dry contaminated clothing in a well ventilated area before laundering.

STORAGE: Keep packaged in original, labeled containers until use. Store in a cool, dry, well-ventilated area. Store this product in airtight containers away from sources of heat and light. Ground all equipment to prevent accumulation of static charge. Store away from incompatible materials. Do not remove or deface label. Do not reuse container without recycling or reconditioning in accordance with any Federal, Provincial, State or local laws. Do not use cutting or welding torches, open flames, or electric arcs on empty or full containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION: Wear safety glasses. Chemical goggles and/ or face shields should be worn, when splashing is a possibility. Contact lenses should not be exposed. If vapor exposure causes eye discomfort, use a full-face respirator.

SKIN PROTECTION: Use impervious gloves. Use of impervious apron and boots are recommended. Wash contaminated clothing before reuse.

RESPIRATORY PROTECTION: If recommended exposure limits are exceeded, a NIOSH-approved, continuous flow supplied air-respirator, hood or helmet is acceptable.

EXPOSURE GUIDELINE(s):

Component Exposure Limits

Prema recommends that its customers minimize employee exposure. PREMA therefore suggests that its customers consider adopting the lower of the current OSHA PEL or the ACGIH TLV's for the purpose of evaluating employee exposures. The TLV's recommended by the ACGIH have been updated on a continuing basis.

Heptane (n-) (142-82-5)

| | |
|--------|--|
| ACGIH: | 400 ppm TWA 500 ppm STEL |
| OSHA: | 500 ppm TWA; 2000 mg/m ³ TWA |
| NIOSH: | 85 ppm TWA; 350 mg/m ³ TWA 440 ppm Ceiling (15 min); 1800 mg/m ³ Ceiling (15 min) |

Carbon black (1333-86-4)

| | |
|--------|---|
| ACGIH: | 3.5 mg/m ³ TWA |
| OSHA: | 3.5 mg/m ³ TWA |
| NIOSH: | 3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (as PAH, carbon black in presence of polycyclic aromatic hydrocarbons) |



Material Safety Data Sheet

Product #'s: PBV-32 (SKU No. 2205500)

MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

Component Exposure Limits - Canada

The following Provincial Exposure Limits apply for this product's components.

Heptane (n-) (142-82-5)

| | |
|-------------------|--|
| Alberta: | 400 ppm TWA; 1640 mg/m3 TWA 500 ppm STEL; 2050 mg/m3 STEL |
| British Columbia: | 400 ppm TWA 500 ppm STEL |
| Manitoba: | 400 ppm TWA; 1600 mg/m3 TWA 500 ppm STEL; 2000 mg/m3 STEL |
| New Brunswick: | 400 ppm TWA; 1640 mg/m3 TWA 500 ppm STEL; 2050 mg/m3 STEL |
| NW Territories: | 400 ppm TWA; 1640 mg/m3 TWA 500 ppm STEL; 2049 mg/m3 STEL |
| Nova Scotia: | 400 ppm TWA 500 ppm STEL |
| Nunavut: | 400 ppm TWA; 1640 mg/m3 TWA 500 ppm STEL; 2049 mg/m3 STEL |
| Ontario: | 400 ppm TWAEV; 1635 mg/m3 TWAEV 500 ppm STEV; 2045 mg/m3 STEV |
| Quebec: | 400 ppm TWAEV; 1640 mg/m3 TWAEV 500 ppm STEV; 2050 mg/m3 STEV |
| Saskatchewan: | 1640 mg/m3 TWA; 400 ppm TWA 2050 mg/m3 STEL; 500 ppm STEL |
| Yukon: | 400 ppm TWA; 1600 mg/m3 TWA 500 ppm STEL; 2000 mg/m3 STEL |

Carbon black (1333-86-4)

| | |
|-------------------|-------------------------------|
| Alberta: | 3.5 mg/m3 TWA |
| British Columbia: | 3.5 mg/m3 TWA |
| Manitoba: | 3.5 mg/m3 TWA |
| New Brunswick: | 3.5 mg/m3 TWA |
| NW Territories: | 3.5 mg/m3 TWA 7 mg/m3 STEL |
| Nova Scotia: | 3.5 mg/m3 TWA |
| Nunavut: | 3.5 mg/m3 TWA 7 mg/m3 STEL |
| Ontario: | 3.5 mg/m3 TWAEV |
| Quebec: | 3.5 mg/m3 TWAEV |
| Saskatchewan: | 3.5 mg/m3 TWA 7 mg/m3 STEL |
| Yukon: | 3.5 mg/m3 TWA 7 mg/m3 STEL |



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Rev. Date: 5/02/2008

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: Black, creamy viscous material

ODOR: Rubber solvent

ODOR THRESHOLD: Not Available

BOILING POINT: 130 - 270 °F (54-132 °C)

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: 0.72 @ 60 °F (16 °C)

VAPOR PRESSURE: Not Established

% VOLATILE: >80%

10. STABILITY & REACTIVITY

INCOMPATIBILITY WITH OTHER MATERIALS: This product may react with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION PRODUCTS: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Through inhalation, ingestion or passage of the material through the skin the following symptoms may occur: stomach or intestinal upset (nausea, vomiting, diarrhea); irritation (nose, throat, airway); central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness); temporary changes in mood and behavior; loss of appetite; loss of coordination; irregular heartbeat; narcosis (dazed or sluggish feeling).

CHRONIC TOXICITY

Prolonged or repeated liquid contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.

CARCINOGENICITY

Carbon black is possibly carcinogenic to humans.

Component Carcinogenicity

Carbon black (1333-86-4)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NIOSH: potential occupational carcinogen (in presence of polycyclic aromatic hydrocarbons)

IARC: Monograph 65, 1996 (Group 2B (possibly carcinogenic to humans))

12. ECOLOGICAL INFORMATION



Material Safety Data Sheet

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MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

No information available for the product.

Component Analysis - Ecotoxicity - Aquatic Toxicity

Heptane (n-) (142-82-5)

Test & Species

| | |
|--------------------------|------------|
| 24 Hr LC50 goldfish | 4.0 mg/L |
| 24 Hr LC50 mosquito fish | 4900 mg/L |
| 96 Hr LC50 cichlid fish | 375.0 mg/L |

13. DISPOSAL CONSIDERATIONS

DISPOSAL: Waste must be handled in accordance with all federal, state, provincial, and local regulations.

UNUSED & UNCONTAMINATED PRODUCT:

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

D001 (ignitable)

This is a characteristic waste 1D.

14. TRANSPORT INFORMATION

US DOT Information

Shipping Name: Adhesives (Contains: Heptane (n-))

UN/NA #: UN1133 **Hazard Class:** 3 **Packing Group:** II

Required Label(s): Flammable Liquid

Additional Info.: PLACARD (WHEN REQUIRED): FLAMMABLE LIQUID, 3

EXCEPTIONS: DOT Paragraphs 172.102, 173.150, 173.173, & 173.242.

ALTERNATE SHIPPING ARRANGEMENTS: Based on package or shipping container size, this product may be shipped as a, "Limited Quantity".

TDG Information

Shipping Name: Adhesives (Contains: Heptane (n-))

UN/NA #: UN1133 **Hazard Class:** 3 **Packing Group:** II

Required Label(s): Flammable Liquid

IMDG Information

Additional Info.: F-E, S-D

IATA Information

Additional Info.: 3

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA 313 INFORMATION:



Material Safety Data Sheet

Product #'s: PBV-32 (SKU No. 2205500)

MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

Component Analysis

None of this products components are listed under SARA Section 313 (40 CFR 372.65).

SARA HAZARD CATEGORY:

Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactive: No

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA):

Component Analysis

None of this products components are listed under CERCLA (40 CFR 302.4).

TOXIC SUBSTANCES CONTROL ACT (TSCA): Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier.

Component Analysis - Inventory

| Component | CAS # | TSCA | CAN | EEC |
|--------------|-----------|------|-----|--------|
| Heptane (n-) | 142-82-5 | Yes | DSL | EINECS |
| Carbon black | 1333-86-4 | Yes | DSL | EINECS |

STATE RIGHT-TO-KNOW:

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS | CA | MA | MN | NJ | PA | RI |
|--------------|-----------|-----|-----|-----|-----|-----|-----|
| Heptane (n-) | 142-82-5 | Yes | Yes | Yes | Yes | Yes | Yes |
| Carbon black | 1333-86-4 | Yes | Yes | Yes | Yes | Yes | Yes |

This product is not a consumer product. This product may not be legally authorized for consumer use or sale in a state that has adopted the OTC Model Rule, or in California pursuant to the Consumer Products Regulation of the California Air Resources Board, or in states with similar laws. Please check federal, state and local air control laws for guidance. The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

CANADIAN REGULATIONS

WHMIS INFORMATION:

WHMIS Classification: B2, D2A, D2B



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MSDS #: RTT-PR-014 Rev. # 1

Rev. Date: 5/02/2008

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

| Component | CAS # | Minimum Concentration |
|--------------|-----------|-----------------------|
| Heptane (n-) | 142-82-5 | 1 % |
| Carbon black | 1333-86-4 | 1 % |

EUROPE:

Component Analysis

| Component (CAS#) | EC # |
|--------------------------|-----------|
| Heptane (n-) (142-82-5) | 205-563-8 |
| Carbon black (1333-86-4) | 215-609-9 |

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

NFPA Ratings: Health: 1 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

MEDICAL EMERGENCIES:

Call CHEMTREC 24 hours a
Day for emergency information
(800-424-9300)

FOR ANY OTHER INFORMATION:

PREMA Products Inc.
1500 Industrial Blvd.
Madison, GA 30650

NOTICE: PREMA Products Inc. believes that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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