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SAFETY DATA SHEET

1. IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: BLACK PEARL BUTYL TAPE

MANUFACTURER: BARRETT COMPANY
33 STONE HOUSE ROAD
MILLINGTON, NJ 07946-0421

CHEMTREC EMERGENCY TELEPHONE NUMBER: 800-424-9300
TELEPHONE NUMBER FOR INFORMATION: 800-647-0100
DATE PREPARED: June 2011

Recommended Use: A component part of commercial waterproofing and roofing systems

Restrictions on Use: Should only be used by a Barrett Approved Contractor

2. HAZARDS IDENTIFICATION

Physical State: Solid

Appearance: Black paste

Emergency Overview: Low hazard for usual industrial or commercial handling by trained personnel

OSHA regulatory status: This product is not hazardous according to OSHA 29CFR 1910.1200.

Potential health effects:

Eyes	Direct contact with eyes may cause temporary irritation.
Skin	No adverse effects due to skin contact are expected
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion	No harmful effects expected in amounts likely to be ingested by accident.

Potential environmental effects: Not expected to be harmful to aquatic organisms.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Percent</u>
Distillates (petroleum), Hydrotreated heavy naphthenic	64742-52-5	10-30%
Distillates (petroleum), Hydrotreated light naphthenic	64742-53-6	10-30%
Residues (petroleum), Vacuum	64741-56-6	10-30%
Hydrous aluminum silicate	1332-58-7	10-15%
Calcium Oxide	1305-78-8	1-5%
Quartz (SiO ₂)	14808-60-7	0.1 – 1
Titanium Dioxide	13463-67-7	0.1 – 1

Composition Comments: Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an air-borne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4: FIRST AID MEASURES

First Aid Procedures

Eye Contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

Skin Contact: Wash off with soap and plenty of water. Get medical attention promptly if symptoms occur after washing.

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion: Seek medical advice.

5: FIRE-FIGHTING MEASURES

Flammable properties No unusual fire or explosion hazards noted.

Suitable extinguishing media Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Firefighting equipment/instructions Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.

Hazardous combustion products Carbon oxides. Silicon oxides. Nitrogen oxides.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate personal protective equipment (See Section 8).

Methods for cleaning up: Sweep or scoop up and remove.

7: HANDLING AND STORAGE

Handling: Observe good industrial hygiene practices.

Storage: Keep container closed.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:**US. ACGIH Threshold Limit Values:**

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Distillates (petroleum) hydrotreated heavy naphthenic (64742-52-5)	TWA	5 mg/m ³	Inhalable fraction.
Hydrous aluminum silicate (1332-58-7)	TWA	2 mg/m ³	Respirable fraction.
Residues (petroleum), vacuum (64741-56-6)	TWA	0.5 mg/m ³	Inhalable fraction.
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³	

US. OSHA: Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Calcium oxide (1305-78-8)	PEL	5 mg/m ³	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	PEL	5 mg/m ³	Mist.
		500 ppm	
		2000 mg/m ³	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	PEL	5 mg/m ³	Mist.
		500 ppm	
		2000 mg/m ³	
Hydrous aluminum silicate (1332-58-7)	PEL	5mg/m ³	Respirable fraction.
		15mg/m ³	Total dust.
Titanium dioxide (13463-67-7)	PEL	15mg/m ³	Total dust.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Distillates (petroleum),hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Hydrous aluminum silicate (1332-58-7)	TWA	2 mg/m ³	Respirable.
Residues (petroleum), vacuum (64741-56-6)	TWA	5 mg/m ³	Fume.
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³	

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Hydrous aluminum silicate (1332-58-7)	TWA	2mg/m ³	Respirable.
Residues (petroleum), vacuum (64741-56-6)	TWA	0.5mg/m ³	Aerosol, inhalable.
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³	Total dust.
		3 mg/m ³	Respirable fraction

Canada. Ontario OELs. (Ministry of Labor – Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m ³	Mist.
	TWA	1600 mg/m ³	
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	STEL	10 mg/m ³	Mist.
	TWA	1600 mg/m ³	
Hydrous aluminum silicate (1332-58-7)	TWA	2 mg/m ³	Respirable.
Residues (petroleum), vacuum (64741-56-6)	TWA	0.5 mg/m ³	Inhalable fume.
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³	Total dust.

Canada. Quebec OELs. (Ministry of Labor – Regulation Respecting the Quality of the Work Environment)

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Hydrous aluminum silicate (1332-58-7)	TWA	5 mg/m ³	Respirable dust.
Residues (petroleum), vacuum (64741-56-6)	TWA	5 mg/m ³	Fume.
Titanium dioxide (13463-67-7)	TWA	10 mg/m ³	Total dust.

Mexico. Occupational Exposure Limit Values

Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m ³	
Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Hydrous aluminum silicate (1332-58-7)	STEL	20 mg/m ³	
	TWA	10 mg/m ³	
Residues (petroleum), vacuum (64741-56-6)	STEL	10 mg/m ³	Fume.
	TWA	5 mg/m ³	Fume.
Titanium dioxide (13463-67-7)	STEL	20 mg/m ³	
	TWA	10 mg/m ³	

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	
Eye / face Protection:	Wear safety glasses with side shields (or goggles). Wear full face respirator, if needed.
Skin Protection:	Wear chemical-resistant gloves, footwear and protective clothing appropriate for the risk of exposure. Contact glove manufacturer for specific information.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134 Respirator type: Air purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.
General hygiene considerations:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black Paste.
Color	Black.
Odor	Slight oil-like.
Odor threshold	Not available.
Physical state	Solid.
Form	Paste.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	Not available.
Flash point	375° F (190.6°C)
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.3
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	No data available.
Auto ignition temperature	Not available.
Decomposition temperature	Not available.
Percent volatile	>0.1

10: STABILITY AND REACTIVITY

Chemical stability: Material is stable under normal conditions.

Conditions to Avoid: Avoid temperatures above 130°F (54.44°C).

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: No hazardous decomposition products are known.

Possibility of hazardous reactions: Will not occur.

11:

TOXICOLOGICAL INFORMATION

Sensitization: No sensitizing effects known.

Carcinogenicity: Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

ACGIH Carcinogens

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	A4 Not classifiable as a human carcinogen.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	A4 Not classifiable as a human carcinogen.
Hydrous aluminum silicate (CAS 1332-58-7)	A4 Not classifiable as a human carcinogen.
Quartz (SiO2) (CAS 14808-60-7)	A2 Suspected human carcinogen.
Residues (petroleum), vacuum (CAS 64741-56-6)	A4 Not classifiable as a human carcinogen.
Titanium dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (SiO2) (CAS 14808-60-7)	1 Carcinogenic to humans
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans

US NTP Report on Carcinogens: Known carcinogen

Quartz (SiO2) (CAS 14808-60-7)	Known carcinogen
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12:

ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to be harmful to aquatic organisms.

Persistence and degradability: No data available.

Bioaccumulation/Accumulation: No data available

Partition coefficient (n-octanol/water): No data available

Mobility in environmental media: No data available

13:

DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.

Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14:

TRANSPORT INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

TDG: Not regulated as dangerous goods.

15:

REGULATORY INFORMATION

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4) None

Superfund amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard - No
Section 302 extremely hazardous	No

substance (40 CFR 355, appendix A)

Section 311/312 (40 CFR 370) Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(ies)

State Regulations WARNING: This product contains chemicals known to the State of California to cause cancer.

US - California Hazardous substances (Director's): Listed substance

Calcium oxide (CAS 1305-78-8)	Listed
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Listed
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Listed
Residues (petroleum), vacuum (CAS 64741-56-6)	Listed

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Quartz (SiO ₂) (CAS 14808-60-7)	Listed
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US - California Proposition 65 – CRT: Listed date/Carcinogenic substance

Quartz (SiO ₂) (CAS 14808-60-7)	Listed: October 1, 1988 carcinogenic
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US - Massachusetts RTK – Substance: Listed substance

Calcium oxide (CAS 1305-78-8)	Listed
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Listed
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	Listed
Hydrous aluminum silicate (CAS 1332-58-7)	Listed
Quartz (SiO ₂) (CAS 14808-60-7)	Listed
Residues (petroleum), vacuum (CAS 64741-56-6)	Listed
Titanium dioxide (CAS 13463-67-7)	Listed

US – New Jersey RTK – Substance: Listed substance

Calcium oxide (CAS 1305-78-8)	Listed
Distillates (petroleum), hydrotreated light naphthenic (64742-53-6)	Listed
Hydrous aluminum silicate (CAS 1332-58-7)	Listed
Quartz (SiO ₂) (CAS 14808-60-7)	Listed
Residues (petroleum), vacuum (CAS 64741-56-6)	Listed
Titanium dioxide (CAS 13463-67-7)	Listed

US – Pennsylvania RTK – Hazardous Substances: Listed substance

Calcium oxide (CAS 1305-78-8)	Listed
Hydrous aluminum silicate (CAS 1332-58-7)	Listed
Quartz (SiO ₂) (CAS 14808-60-7)	Listed
Titanium dioxide (CAS 13463-67-7)	Listed

HMIS® is a registered trade and services mark of the NPCA.

HMIS® RATING: Health: 1 Flammability: 1 Physical Hazard: 1

NFPA ratings: Health: 1 Flammability: 1 Physical Hazard: 1

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