



SAFETY DATA SHEET

IDENTIFICATION AND EMERGENCY INFORMATION

PRODUCT NAME: Black Pearl® Sheet Membrane

MANUFACTURER:

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Recommended Use: Waterproofing sheet membrane.

Restrictions on Use: For use only and exclusively by trained commercial waterproofing and roofing contractors.

2: HAZARDS IDENTIFICATION

2.1. OSHA Regulatory Status

Not Classified. These products are classified as Articles under the US OSHA Hazard Communication Standard 29CFR 1910.1200, Canada WHMIS and the GHS

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : None

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

3: COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Substances

Substance type : Multi-constituent

Name : BLACK PEARL Sheet Membrane

CAS No : N/A

Name	Product identifier	%	GHS-US classification
			None

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Contains asphalt / asphalt blending stocks: straight run residue / asphalt, not cut back / asphalt, petroleum / asphalt, straight reduced / asphalt, straight run / asphalt, syriac / bitumen

4:**FIRST AID MEASURES**

4.1 Description of first aid measures

- First-aid measures general : Wash with soap and water
- First-aid measures after inhalation :
- First-aid measures after skin contact :
- First-aid measures after eye contact : Rinse with water for at least 15 minutes
- First-aid measures after ingestion :

4.2 Most important symptoms and effects (acute and delayed)

- Symptoms/injuries after inhalation : ON HEATING: Headache. Irritation of the respiratory tract. Nausea.
- Symptoms/injuries after skin contact : ON HEATING: Burns.
- Symptoms/injuries after eye contact : EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the eye tissue.
- Symptoms/injuries after ingestion : No data available.
- Chronic symptoms : No effects known.

4.3 Immediate medical attention and special treatment, if necessary

No additional information available

5:**FIRE FIGHTING MEASURES**

4.1 Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Polyvalent foam. BC powder. Sand/earth. Carbon dioxide.
- Unsuitable extinguishing media : Container may slop over if solid jet (water/foam) is applied.

5.2 Specific hazards arising from the chemical

- Fire hazard : DIRECT FIRE HAZARD: Not easily combustible. INDIRECT FIRE HAZARD. Temperature above flashpoint: higher fire/explosion hazard.
- Explosion hazard : DIRECT EXPLOSION HAZARD. No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD. No data available on indirect explosion hazard.
- Reactivity : In molten state: reacts violently with water (moisture). On heating: formation of small quantities of hydrogen sulfide. Upon combustion: CO and CO₂ are formed.

5.3 Special protective equipment and precautions for fire-fighters

- Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighborhood close doors and windows.
- Firefighting instructions : Cool tanks/drums with water spray/remove them into safety.
- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus.

6:**ACCIDENTAL RELEASE MEASURES**

6.1 Personal precautions, protective equipment and emergency procedures**6.1.1 For non-emergency personnel**

- Protective equipment : Gloves. Protective clothing. See "Material-handling" to select protective clothing.
- Emergency procedures : Wash contaminated clothes.

6.1.2 For emergency responders

No additional information available

6.2 Environmental precautions

No additional information available

6.3 For containment

- Methods for cleaning : If melted: allow liquid to solidify before taking it up. Start cleanup only if spill has cooled completely. Wash clothing and equipment after handling.

6.4 Reference to other sections

No additional information available

7:**HANDLING AND STORAGE****7.1 Precautions for safe handling**

Precautions for safe handling : Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep away from open flames/heat. Observe strict hygiene. Measure the concentration in the air regularly. Conduct operations in the open/under local exhaust/ventilation or with respiratory protection.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature : > 21 °C
 Heat-ignition : KEEP SUBSTANCE AWAY FROM: heat sources.
 Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents.
 Storage area : Keep container in a well-ventilated, fireproof storeroom. Meet applicable local and federal legal requirements.
 Special rules on packaging : SPECIAL REQUIREMENTS: correctly labelled. meet applicable local and federal legal requirements. Secure fragile packaging in solid containers.
 Packaging materials : SUITABLE MATERIAL: No data available. MATERIAL TO AVOID: No data available.

8:**EXPOSURE CONTROLS AND PERSONAL PROTECTION****8.1 Control parameters**

BLACK PEARL Sheet Membrane (8052-42-4)			
ACGIH	ACGIH (mg/m ³)	TWA	0.5 mg/m ³ (Asphalt (Bitumen) fume, as benzene- soluble aerosol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
asphaltic bitumen, not cut back (8052-42-4)			
ACGIH	ACGIH (mg/m ³)	TWA	0.5 mg/m ³ (Asphalt (Bitumen) fume, as benzene- soluble aerosol; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)

8.2 Appropriate engineering controls

No additional information available

8.3 Individual protection measures/Personal protective equipment

Materials for protective clothing: GIVE GOOD RESISTANCE: leather, viton. GIVE LESS RESISTANCE: neoprene. GIVE POOR RESISTANCE: butyl rubber. Chlorosulfonated polyethylene

Hand Protection: Gloves

Eye Protection: Safety Glasses

Skin and body protection: Long sleeve and long pants commercial clothing.

Respiratory protection: On heating: Gas mask with filter type A

9:**PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state : Solid
 Appearance : Solid.
 Color : Dark brown to black
 Odor : Characteristic odor
 Odor threshold : No data available
 pH : No data available
 Melting point : No data available
 Freezing point : No data available
 Boiling point : > 370°C
 Flash point : 204 - 288°C

Relative evaporation rate (butyl acetate=1) : No data available
 Flammability (solid, gas) : No data available
 Vapor pressure : No data available
 Relative vapor density at 20 °C : > 1
 Relative density : > 1
 Solubility : Insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in tetrachloromethane. Soluble in carbondisulfide. Soluble in turpentine. Water: insoluble
 Log Pow : > 6 (Calculated)
 Auto-ignition temperature : 350 - 485°C
 Decomposition temperature : No data available
 Viscosity, kinematic : No data available
 Viscosity, dynamic : > 0.17 Pas (135°C)
 Explosion limits : No data available
 Explosive properties : No data available
 Oxidizing properties : No data available

9.2 Other Information

Softening point: : >88°C

10: STABILITY AND REACTIVITY

10.1 Reactivity

In molten state: Emits fumes.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

No additional information available

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity : Not classified

BLACK PEARL Sheet Membrane (8052-42-4)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
asphaltic bitumen, not cut back (8052-42-4)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)

Skin corrosion/irritation : Not classified
 Serious eye damage/irritation : Not classified
 Respiratory or skin sensitization : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified

BLACK PEARL Sheet Membrane (8052-42-4)	
IARC group	3 - Not classifiable
asphaltic bitumen, not cut back (8052-42-4)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
 Specific target organ toxicity – single exposure : Not classified
 Specific target organ toxicity – repeated exposure: Not classified
 Aspiration hazard : Not classified
 Symptoms/injuries after inhalation : ON HEATING: Headache. Irritation of the respiratory tract. Nausea.
 Symptoms/injuries after skin contact : ON HEATING: Burns.
 Symptoms/injuries after eye contact : EXPOSURE TO HIGH CONCENTRATIONS: Irritation of the eye tissue.
 Symptoms/injuries after ingestion : No data available.
 Chronic symptoms : No effects known.

12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology - air : Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
 Ecology - water : No water pollutant (surface water). Fouling to shoreline. Not harmful to fishes (LC50(96h) >1000 mg/l). Not harmful to aquatic organisms.

12.2 Persistence and degradability

BLACK PEARL Sheet Membrane (8052-42-4)	
Persistence and degradability	Not readily biodegradable in water.
asphaltic bitumen, not cut back (8052-42-4)	
Persistence and degradability	Not readily biodegradable in water.

12.3 Bioaccumulative potential

BLACK PEARL Sheet Membrane (8052-42-4)	
Log Pow	> 6 (Calculated)
Bioaccumulative potential	Not bioaccumulative.
asphaltic bitumen, not cut back (8052-42-4)	
Log Pow	> 6 (Calculated)
Bioaccumulative potential	Not bioaccumulative.

12.4 Mobility in soil

No additional information available

12.5 Other adverse effects

Effect on global warming : No known effects from this product.
 GWPmix comment : No known effects from this product.

13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Product/Packaging disposal recommendations : Recycle/reuse. Remove to an authorized dump. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery.
 Additional information : Can be considered as non-hazardous waste according to Directive 2008/98/EC.

14: TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Not regulated

TDG
Transport by sea
Not regulated

Air transport
Not regulated

15: REGULATORY INFORMATION

15.1 US Federal regulations
No additional information available

15.2 International regulations

Canada
No additional information available

EU-Regulations
No additional information available

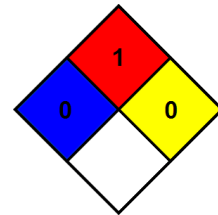
National regulations
No additional information available

15.3 US State regulations
No additional information available

16: OTHER INFORMATION

Full text of H-phrases:

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.
NFPA fire hazard : 1 - Must be preheated before ignition can occur.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



SDS US (GHS HazCom 2012)

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