Safety Data Sheet

SDS Revision Date: 7/25/2024

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

1.1 Product identifier

Product Identity: PetroGuard®
Alternate Names: Block copolymer, PetroGuard®

1.2 Releveant identified uses of the substance or mixture and uses advised against inteded use

Application method: See Tech Data Sheet

1.3 Details of the supplier of the safety data sheet

Manufactured for:
ENPAC LLC
34355 MELINZ PARKWAY
EASTLAKE, OH 44095
www.ENPAC.com

Phone: 1-800-936-7229
Fax: 440-975-0047
Email: info@ENPAC.com

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

No applicable GHS categories.

2.2 Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.
No applicaable GHS categories.
Prevention: No GHS prevention statements.
Response: No GHS response statements.
Storage: No GHS storage statements.
Disposal: No GHS disposal statements.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations:

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
HYDROCARBON POLYMER BLEND CAS NUMBER: Proprietary	75-100	Aquatic Chronic 4;H413	[1]
ANTIOXIDANTS/STABILIZERS CAS NUMBER: Proprietary	1-5	Not Provided	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.
Inhalation: Remove patient to fresh air.
Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention if irritation persists.
Skin: Wash skin thoroughly with soap and water, or use a recognized skin cleanser.
Ingestion: If swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Overview: Practically non-irritating to eyes, nose, throat, respiratory tract and skin. This product is considered to have a low order acute oral toxicity.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water, foam, dry chemical or CO2. Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

5.2 Special hazards arising from the substance or mixture

A NIOSH approved (or equivalent standard) particulate filter respirator is recommended if excessive dust is generated. Safety glasses should be worn when working with this product. Ventilation is required to control dust concentration in air.

Hazardous Decomposition: Product will not burn unless preheated. Hazardous combustion products may include carbon monoxide, carbon dioxide.

5.3 Advise for fire-fighters

Contact with strong oxidizers may result in fire.

Product will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet and face shield, bunker coats, gloves, and rubber boots), including a positive pressure NIOSH approved (or equivalent standard) self-contained breathing apparatus. Cool fire exposed containers with water.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

A NIOSH approved (or equivalent standard) particulate filter respirator is recommended if excessive dust is generated. Safety glasses should be worn when working with this product. Ventilation is required to control dust concentration in air.

6.2 Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3 Methods and material for containment and cleaning up

A NIOSH approved (or equivalent standard) particulate filter respirator is recommended if excessive dust is generated. Safety glasses should be worn when working with this product. Ventilation is required to control dust concentration in air.

Spilled product can be removed by shoveling, sweeping, or an industrial vacuum. Avoid generating dust clouds. Put product into closed container for disposal or reclamation.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Product can accumulate static charge during transport through piping or ducting, handling and/or additional processing. Normal handling or usage will not normally produce static buildup. Equipment should provide a means for dissipating any charges that may develop. Reducing the velocity of transport (speed through a pipe) will reduce charging. Static charge buildup can be a potential fire hazard when charged product is in the presence of volatiles. This product may cause mechanical irritation to the eyes, skin, and respiratory system. In case of eye contact, flush eyes with water and wash skin with soap and water. If inhaled and breathing becomes difficult, abandon dusty environment to fresh air. If discomfort persists, contact a physician.

7.2 Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Practice good housekeeping. Do not allow product to accumulate in processing area. Keep container dry. Keep away from direct sunlight. Avoid storage of bulk product at temperatures above ambient and to minimize risk of exothermic degradation, self-heating and possible self-ignition. Do not stack intermediate bulk containers.

Incompatible materials: Avoid contact with strong oxidizing agents such as ozone, liquid oxygen, chlorine, permanganate, etc.

7.3 Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control paramenters

Exposure:

CAS No.	Ingredient	Source	Value
Proprietary	HYDROCARBON POLYMER BLEND	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Proprietary	ANTIOXIDANTS/STABILIZERS	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

The exposure limits for nuisance dust are:
OSHA PEL: 15 mg/m3 (50 mppcf*)
TWA, ACGIH 10 mg/m3

8.2 Exposure controls

Respiratory:	A NIOSH approved particulate filter respirator is recommended if excessive dust is generated.
Eyes:	Dust-tight monogoggles.
Engineering Controls:	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction
Other Work Practices:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical properties

Appearance	White coarse powder solid
Odor	Odorless
Odor Threshold	Not determined
pH	Not measured
Melting Point / Freezing Point	Not measured
Initial Boling Point and Boiling Range	Not measured
Flash Point	Not measured
Evaporation Rate (Ether = 1)	Not measured
Flammability (solid, gas)	Not measured
Upper/Lower Flammability or Explosive Limits	**Upper Explosive Limit:** Not measured
	Lower Explosive Limit: Not measured
Vapor Pressure (Pa)	Not measured
Vapor Density	Not measured
Specific Gravity	.91 g/cc
Solubility in Water	Negligible (in water)
Parition Coefficient n-octanol/water (Log Kow)	Not measured
Auto-ignition Temperature	Not measured
Decomposition Temperature	>280°C
Viscosity (cSt)	Not measured
Softening Point	80-120°C

9.2 Other information

No other relevant information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents such as ozone, liquid oxygen, chlorine, permanganate, etc. Although this is not a safety hazard, such contact may deteriorate or otherwise decrease product's performance ability.

10.6. Hazardous decomposition products

None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
HYDROCARBON POLYMER BLEND - (Proprietary)	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
ANTIOXIDANTS/STABILIZERS - (Proprietary)	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available

11.2 Carcinogen data

CAS No.	Ingredient	Source	Value
Proprietary	HYDROCARBON POLYMER BLEND	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
Proprietary	ANTIOXIDANTS/STABILIZERS	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
HYDROCARBON POLYMER BLEND - (Proprietary)	No Data Available	No Data Available	No Data Available
ANTIOXIDANTS/STABILIZERS - (Proprietary)	No Data Available	No Data Available	No Data Available

12.2 Persistence and degradability

There is no data available on the preparation itself.

12.3 Bioaccumulative potential

Not Measured

12.4 Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

SECTION 14: TRANSPORT INFORMATION

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation	ICAO/IATA
14.1 UN number	Not Applicable	Not Regulated	Not Regulated
14.2 UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3 Transport hazard class(es)	**DOT Hazard Class:** Not Applicable	**IMDG:** Not Applicable **Sub Class:** Not Applicable	**Air Class:** Not Applicable
14.4 Packing group	Not Applicable	Not Applicable	Not Applicable

14.5 Enviromental hazards

IMDG **Marine Pollutant:** No

14.6 Special precautions for user

No further information

SECTION 15: REGULATORY INFORMATION

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA): All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification: Not Regulated

US EPA Tier II Hazards

Fire:	No
Sudden Release of Pressure:	No
Reactive:	No
Immediate (Acute):	No
Delayed (Chronic):	No

EPCRA 311/312 Chemicals and RQs: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 302 Extremely Hazardous: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
EPCRA 313 Toxic Chemicals: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Carcinogens (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
New Jersey RTK Substances (>1%) : To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
Pennsylvania RTK Substances (>1%) : To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

SECTION 16: OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H413 May cause long lasting harmful effects to aquatic life.

The information contained herein is furnished without warranty of any kind. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. Users should make independent determinations of the suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.