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Section 1: Identification of the substance/mixture and of the company

1.1 Product Identifier

Trade Name: Series 20M PCM

Product Form: Mixture

Product Code: 46-00001

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses of the substance/mixture: Thermal Storage

1.3 Details of the supplier of the safety data sheet

Pelican BioThermal

3020 Niagara Lane N

Plymouth, MN 55447

1.4 Emergency telephone number

CHEMTREC: 1-800-424-9300

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (GHS-US)

No GHS H-Codes assigned to this product

2.2 Label elements

GHS-US labeling

Hazard pictograms (GHS-US):

None.

Signal Word (GHS-US): None

Hazard Statements (GHS-US):

None

Precautionary statements (GHS-US):

None

2.3 Other Hazards

No additional information available



2.4 Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

3.1 Substance

Not applicable

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3.2 Mixture

Name	CAS #	%
Blend of Salts and Water	Proprietary	Proprietary

Section 4: First aid measures

4.1 Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)

First-aid measures after inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Use artificial respiration and oxygen if needed. Seek medical attention.

First-aid measures after skin contact: IF ON SKIN: Immediately rinse with plenty of soap and water. If irritation persists, seek medical attention.

First-aid measures after eye contact: IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult a physician.

First-aid measures after ingestion: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries: No data available.

Symptoms/injuries after inhalation: No data available.

Symptoms/injuries after skin contact: No data available.

Symptoms/injuries after eye contact: No data available.

Symptoms/injuries after ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea if swallowed.

Chronic symptoms: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

5.2 Extinguishing media



Fire hazard: The product is not flammable.

Explosion hazard: Product is not explosive.

Reactivity: No dangerous reactions known under normal conditions of use.

5.2 Advice for firefighters

Firefighting instructions: Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

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Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Ventilate area. Spill should be handled by trained clean-up crews. For personal protection see Section 8.

6.1.1 For non-emergency personnel

Protective equipment: Wear Protective equipment as described in Section 8.

Emergency procedures: Contain the spill. Do not let product enter drains.

6.1.2 For emergency responders

Protective equipment: Wear Protective equipment as described in Section 8.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

For containment: Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.3 Reference to other sections

No additional information available

Section 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Use with adequate ventilation. Wash thoroughly after handling. Do not get in eyes. Avoid prolonged or repeated contact with skin. Do not breathe mist or vapor. Do not swallow.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.



7.3 Specific end use(s)

No additional information available

Section 8: Exposure controls/personal protection

8.1 Control parameters

Blend of Salts and Water			
OSHA PEL (TWA) ppm - if units not stated	OSHA PEL (STEL) ppm - if units not stated	OSHA PEL (Ceiling) ppm - if units not stated	ACGIH-TLV

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Not Established	Not Established	Not Established	Not Established
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8.1 Exposure controls

Personal protective equipment: Chemical resistant gloves. Protective clothing. Safety glasses or goggles

Hand protection: Chemical resistant gloves.

Eye protection: Safety glasses or goggles.



Skin and body protection: Wear long sleeves. Wear suitable protective clothing.

Respiratory protection: Respiratory protection is not required. However, where excessive vapor, mist, or dust may result, use approved respiratory protection equipment.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid
Color	: No data available
Odor	: No data available.
Odor Threshold	: No data available
pH	: 5.5 – 6.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: ~ -20 °C
Freezing point	: ~ -20 °C
Boiling point	: No data available
Flash point	: No data available
Self-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: ~ 1.178 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

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Oxidizing properties : No data available

Explosive limits : No data available

9.2 Other information

No additional information available

Section 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6 Hazardous decomposition products

Thermal decomposition generates: No Data.

Section 11: Toxicological information

10.1 Information on toxicological effects

Oral LD50: > 2,000 mg/kg (rat) Calculated

Dermal LD50: > 2,000 mg/kg (rabbit) Calculated

Inhalation LC50: No Data

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



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 : See Section 4.

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Symptoms/injuries after skin contact : See Section 4.

Symptoms/injuries after eye contact : See Section 4.

Symptoms/injuries after ingestion : See Section 4.

Chronic symptoms : No data available

Section 12: Ecological information

12.1 Toxicity

No Data.

12.2 Persistence and degradability

No Data.

12.3 Bio accumulative potential

No Data.

12.4 Mobility in soil

No Data.

12.5 Other adverse effects

No Data.

Section 13: Disposal consideration

13.1 Waste treatment methods

Waste treatment methods: Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

Section 14, Transport information

14.1 UN number, proper shipping name, class and packaging group

Domestic Ground Shipments

Not DOT Regulated

14.2 Additional information

No additional information available



Section 15: Regulatory information

15.1 US Federal regulations

TSCA Inventory: The components of this product are proprietary.

SARA Section 311/312, Hazard Category (40CFR 370.2): None known.

SARA Section 313, Toxic Release Reporting (40CFR Part372): No listed substances known over 1.0%. (No known carcinogens over 0.1%).

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SARA Section 302, EHS Emergency Planning (40CFR Part 355): No listed substances known over 1.0%.

SARA Section 304, EHS Release Reporting (40CFR Part 355): No listed substances known over 1.0%.

CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a): No listed substances known over 1.0%.

15.2 International regulations

No Data.

15.2.1 National regulations

No Data.

15.3 US State regulations

California Prop. 65: No listed substance known to be present

Section 16: Other information

NFPA health hazard : 1

NFPA fire hazard : 0

NFPA reactivity : 0

HMIS III Rating

Health : 1

Flammability : 0

Physical : 0

Personal Protection : X

Disclaimer

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