

Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product name: PureTemp 27
Product number: 102700100

Recommended use: Thermal energy storage.

Company information: Entropy Solutions, LLC.

4232 Park Glen Road Minneapolis, MN 55416

952-941-0306

Emergency contact: Call CHEMTREC Day or Night

1-800-424-9300 (USA)

+1 703-527-3887 (International)

Section 2 – Hazards Identification

GHS classification: Skin irritation (Category 2), H315

GHS label elements, including precautionary statements

Pictogram:

 $\langle \cdot \rangle$

Signal word: Warning

Hazard statement(s): H315, Causes skin irritation.

Precautionary

statement(s): P264, Wash skin thoroughly after handling.

P273, Avoid release to the environment.

P280, Wear protective gloves/protective clothing/eye protection/face

protection.

P302 + P352, IF ON SKIN: Wash with plenty of soap and water. P332 + P313, If skin irritation occurs: Get medical advice/attention. P403 + P233, Store in well-ventilated place. Keep container tightly

closed.

P501, Dispose of contents/container to an approved waste disposal

plant.

Section 3 – Composition/Information on Ingredients

CAS#	Component
Trade Secret	Proprietary Component 1
Trade Secret	Proprietary Component 2

PureTemp 27 Variants: PureTemp 27X (102700100, unnucleated)

Section 4 – First Aid Measures

Description of first aid measures

Inhalation: If breathed in, move person to fresh air. If breathing is affected seek

medical attention.

Skin contact: Wash immediately with soap and water. Cover irritated skin with an

emollient. If irritation persists, get medical attention.

Eye contact: Immediately flush eyes with large amounts of water, continuing to

flush for 15 minutes. If irritation persists, get medical attention. Do not induce vomiting. Drink large amounts of water. Medical

of not induce vorniting. Drink large amounts of water, w

attention is recommended.

Most important symptoms and effects, both acute and

Ingestion:

delayed: May cause skin and eye irritation.

Indication of any immediate medical attention and

special treatment needed: No data available

Section 5 – Firefighting Measures

Extinguishing media

Suitable: Alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable: No data available.

Special hazards: Carbon oxides

Advice for firefighters: Wear self-contained breathing apparatus for firefighting, if necessary.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Wear appropriate personal protective equipment. Eliminate all ignition sources. For personal

protection see section 8.

Environmental precautions: Prevent further leakage or spillage, if safe to do so. Do not let product

enter drains. Discharge into the environment should be avoided.

Methods and materials for containment and clean up:

Absorb or cover with dry earth, sand or other non-combustible material

and transfer to containers for disposal. Keep in suitable, closed

containers for disposal.

Section 7 - Handling and Storage

Precautions for safe

handling:

Avoid contact with skin and eyes. Wash thoroughly after handling.

Avoid inhalation of vapor or mist.

Conditions for safe

storage:

Keep the container tightly closed and in a cool, well-ventilated place. Containers which are opened must be carefully resealed and kept

upright to prevent leakage.

Section 8 – Exposure Controls and Personal Protection

Control parameters: Contains no substances with occupational exposure limit values.

Engineering controls: Handle in accordance with good industrial hygiene and safety

practices. Use appropriate ventilation.

Personal protective equipment

Eyes/face: Use equipment for eye protection tested and approved under

appropriate government standards, such as NIOSH (US) or EN 166

(EU).

Skin: Use impervious gloves. Gloves must be inspected prior to use. Use

proper glove removal technique to avoid skin contact with this product. Dispose of the contaminated gloves in an appropriate manner. Wash

and dry hands.

Body: Wear impervious clothing.

Respiratory: Respiratory equipment is not required.

General Eye wash fountain and emergency showers are recommended.

Section 9 – Physical and Chemical Properties

Physical state: Liquid/solid.

Appearance: Clear liquid. White solid.

Odor: Musty

Odor threshold: No data available.

pH: No data available.

Melting point: $27 \,^{\circ}\text{C} \, (81 \,^{\circ}\text{F})$

Boiling point: 335 $^{\circ}$ C (635 $^{\circ}$ F)

Flash point: $> 100 \,^{\circ}\text{C} (212 \,^{\circ}\text{F})$

Evaporation rate: No data available.

Flammability (solid/gas): No data available.

Upper/lower flammability or

explosive limits: No data available. Vapor pressure: 1.389E-4 mmHg

Vapor density: No data available.

Relative density: 0.87 g/mL at 25 °C (77 °F)

Water solubility: No data available.

Partition coefficient: n-

octanol/water No data available.

Auto-ignition temperature:

No data available.

Decomposition

temperature: No data available. Viscosity: No data available.

Explosive properties: No data available.

Oxidizing properties: No data available.

Section 10 – Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous

reactions: Will not occur.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition

products: Carbon monoxide with incomplete combustion.

Section 11 – Toxicological Information

Acute toxicity Proprietary Component 1 Proprietary Component 2

LD50 Oral – Rat:> 2,000 mg/kg> 2,000 mg/kgLC50 Inhalation – Rat:> 5 mg/L (4h)> 5 mg/L (4h)LD50 Dermal - Rabbit:No data available.No data available.

Carcinogenicity: None of this product's components are identified as probable,

possible, or confirmed carcinogens by ACGIH, IARC, OSHA, NIOSH,

or NTP.

Skin corrosion/irritation: Skin- rabbit. Skin irritation occurred.

Eye irritation: Eyes- rabbit. Eye irritation did not occur.

Respiratory or skin

sensitation: No data available.

Section 12 – Ecological Information

Toxicity Proprietary Component 1 Proprietary Component 2

Fish: LC50 – Brachydanio rerio – 550 mg/L – No data available.

96 h

Persistence

Biodegradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Section 13 – Disposal Considerations

Disposal instructions: All wastes must be handled in accordance with local, state, and

federal regulations.

Section 14 – Transportation Information

DOT (US):

IMDG:

Not dangerous goods.

Not dangerous goods.

Not dangerous goods.

Section 15 – Regulatory Information

SARA Title III: None of this product's components are subject to the reporting

requirements in SARA Title III, Section 302, Section 311, Section 312,

or Section 313.

State regulations: None of this product's components are listed on the state lists from

CA, MA, MN, NJ, PA, or RI.

WHMIS IDL: None of this product's components are listed in the WHMIS IDL.

Section 16 – Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. Entropy Solutions, LLC. shall not be held



Page 6 of 6