

Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product name: TCP 80c /176f hot stone

Recommended use: Thermal energy storage.

Company information: PensacTechnologies LLC.
P.O.Box 5014
Wilmington, DE 19808
email:info@cateringstone.com
tel. 888-546-8768

Emergency contact:
tel. 888-546-8768

Section 2 – Hazards Identification

GHS classification: Not a hazardous substance or mixture

GHS label elements, including precautionary statements

Not a hazardous substance or mixture

Section 3 – Composition/Information on Ingredients

CAS #	Component
Trade Secret	Proprietary

TCP 80c / 176f hot stone Variants: TCP 80c / 176f hot stone - unnuclated

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: If Hot product gets in contact immediately flush eyes with large amounts of water, continuing to flush for 15 minutes and seek medical attention

Ingestion: Get immediate medical attention or advice. Do not induce vomiting.

Most important symptoms and effects, both acute and 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: Water spray, dry chemical or carbon dioxide, foam.

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 dust. Ensure adequate ventilation. 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.

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:	solid: 20c: 1013hPa.
Appearance:	White solid Flakes
Odor:	almost odorless No
Odor threshold:	data available. No
pH:	data available. 80
Melting point:	°C (176 °F)
Boiling point:	306 °C (583 °F)
Flash point:	176.3 °C (349 °F)
Evaporation rate:	No data available.
Flammability (solid/gas):	No data available.
Upper/lower flammability or explosive limits:	Not explosive.
Vapor pressure:	No data available.
Vapor density:	No data available.
Relative density:	0.8145 g/mL at 25 °C (77 °F)
Water solubility:	Insoluable
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	12 mm ² /s at 80 °C (158 °F)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

Section 10 – Stability and Reactivity

Reactivity:	Stable at room temperature and atmospheric pressure.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	In case of fire or heating above recommended temperatures maximum temperature the formation of hazardous decomposition products and/or irritating gases may occur.
Conditions to avoid:	Direct heating, contamination, direct sunlight, UV or ionizing radiation and oxidizing agents.
Incompatible materials:	Strong oxidizing agents, bases, and agents.
Hazardous decomposition products:	No Hazardous decomposition if used and stored according to specifications.

Section 11 – Toxicological Information

Acute toxicity

LD50 Oral – Rat:	> 5,000 mg/kg
LC50 Inhalation – Rat:	No data available.
Dermal - Rabbit:	> 2,000 mg/kg

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. No skin irritation.
Eye irritation:	Eyes- rabbit. No eye irritation.
Respiratory or skin sensitization:	No data available.

Section 12 – Ecological Information

Toxicity

Fish:	LC50 – <i>Leuciscus idus</i> – > 5 mg/L – 48 h
Daphnia and other aquatic invertebrates:	EC50 – <i>Daphnia magna</i> – > 5 mg/L – 48 h

Persistence

Biodegradability:	easily biodegradable,
Bioaccumulative potential:	Considered unlikely to bioaccumulate.
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): Not dangerous goods.
IMDG: Not dangerous goods.
IATA: 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. CateringStone, LLC. shall not be held liable for any damage resulting from handling, or from contact, with the specified product. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.