



MATERIAL SAFETY DATA SHEET

<i>PRODUCT NAME</i>	10C PhaseStor Thermal Storage Material
<i>VERSION</i>	No. 1
<i>REVISION DATE</i>	July 18, 2022
<i>MANUFACTURER</i>	PhaseStor, LLC. 147 Oakhurst Rd., Asheboro, NC 27205 Asheboro, NC
<i>TELEPHONE</i>	336-628-0088
<i>FAX</i>	336-628-0088
<i>WEB</i>	www.phasestor.com

1. EMERGENCY TELEPHONE NUMBER

<i>Emergency</i>	For questions or emergency regarding this product, call 336-628-0088
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2. COMPOSITION/INFORMATION

<i>CAS #</i>	Trade Secret
<i>COMPONENTS</i>	Proprietary mixture of plant based ingredients and their derivatives, such as vegetable oils such as fatty acids, methyl esters, fatty alcohols, fatty esters.

3. PHYSICAL & CHEMICAL PROPERTIES

<i>APPEARANCE</i>	Colorless liquid above melting, white when solid	<i>VAPOR DENSITY</i> (Air = 1)	Not available
<i>ODOR</i>	Faint odor in liquid form, odorless to faint when solid	<i>RELATIVE DENSITY</i>	0.84 in liquid form (specific gravity)
<i>pH</i>	Not applicable	<i>UPPER FLAMABILITY LIMIT (UFL)</i>	Not available
<i>MELTING POINT</i>	10 °C	<i>LOWER FLAMMABILITY LIMIT (LFL)</i>	Not available
<i>BOILING POINT</i>	>260 °C	<i>SOLUBILITY IN WATER</i>	Insoluble
<i>FLASH POINT</i>	>110°C	<i>AUTO-IGNITION TEMPERATURE</i>	Not determined
<i>EVAPORATION RATE</i>	Not available	<i>VISCOSITY</i>	4CP in liquid form
<i>VAPOR PRESSURE</i>	<1 mmHg @ 25 °C (77 °F)	<i>EXPLOSION LIMITS</i>	Does not contain explosives
<i>OXIDATION PROPERTIES</i>		Does not contain oxidizing properties	

4. HAZARDS IDENTIFICATION

<i>PICTOGRAM</i>	GHS label elements, including precautionary statements	
<i>SIGNAL WORD</i>	Warning	
<i>CLASSIFICATION</i>	Not a hazardous substance or mixture	
<i>HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)</i>		
<i>HEALTH: 1</i>	<i>FLAMMABILITY: 1</i>	<i>REACTIVITY: 0</i>

5. FIRST AID

<i>EYE CONTACT</i>	Flush eyes with water as a precaution.
<i>INHALATION</i>	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
<i>INGESTION</i>	Never give anything by mouth to an unconscious person. Rinse mouth with water.

6. FIRE FIGHTING

<i>HAZARDOUS COMBUSTION PRODUCTS</i>	Carbon oxides
<i>EXTINGUISHING MEDIA</i>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<i>FIRE FIGHTING INSTRUCTIONS</i>	Wear self-contained breathing apparatus for firefighting if necessary.

7. ACCIDENTAL RELEASE MEASURES

<i>PERSONAL PRECAUTIONS</i>	Avoid dust formation. Avoid breathing vapours, mist or gas.
<i>ENVIRONMENTAL PRECAUTIONS</i>	o special environmental precautions required. Minimize contamination to water and drains.
<i>METHODS FOR CLEANING UP SPILLS</i>	weep up and shovel. Keep in suitable, closed containers for disposal.

8. HANDLING & STORAGE

<i>HANDLING</i>	Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
<i>STORAGE</i>	Keep container tightly closed in a dry and well-ventilated place
<i>SAFE STORAGE/ TRANSPORT PRESSURE</i>	Room temperature and moderate ambient conditions

9. CHEMICAL STABILITY & REACTIVITY INFORMATION

<i>REACTIVITY</i>	No data available, generally not reactive
<i>CHEMICAL STABILITY</i>	Stable under recommended storage temperatures and pressure.
<i>CONDITIONS TO AVOID</i>	Avoid excessive high temperature heat that causes flames and other sources of ignition or sparks.
<i>MATERIALS TO AVOID</i>	No data available
<i>HAZARDOUS REACTIONS</i>	No data available
<i>HAZARDOUS DECOMPOSITION PRODUCTS</i>	carbon dioxide and/or low molecular weight hydrocarbons
<i>THERMAL DECOMPOSITION PRODUCTS</i>	Oxides of carbon and water

10. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>EXPOSURE LIMITS</i>	No data available
<i>EXPOSURE GUIDELINES</i>	Wash exposed areas with soap and warm water.
<i>VENTILATION</i>	No special respiratory protection under normal use conditions.
<i>PERSONAL PROTECTIVE EQUIPMENT</i>	No special protective equipment under normal use conditions.
<i>SKIN/BODY PROTECTION</i>	No special personal protective equipment under normal use conditions. Handle with gloves.
<i>EYE PROTECTION</i>	No special personal protective equipment under normal use conditions. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
<i>ENGINEERING MEASURES</i>	No special measures under normal use conditions.

11. TOXOLOGICAL INFORMATION

<i>EYE EFFECTS</i>	After eye contact: Slight irritations
<i>SKIN EFFECTS</i>	Skin – Rabbit; Result: No skin irritation - 4 h
<i>SUBCHRONIC EFFECTS</i>	No documented or known effects.
<i>CHRONIC EFFECTS</i>	No documented or known effects.
<i>MUTAGENICITY</i>	No data available
<i>TERATOLOGY</i>	No data available
<i>CARCINOGENICITY</i>	Not listed by IARC, ACGIH, NTP, OSHA for levels greater or equal 0.1%
<i>CHEMICAL NAME DATA AGENCY</i>	Not established

12. DISPOSAL CONSIDERATIONS

OFFER SURPLUS AND NON-RECYCLABLE SOLUTIONS TO A LICENSED DISPOSAL COMPANY; DISPOSE OF AS UNUSED PRODUCT PER YOUR LOCAL AGENCY RULES

13. TRANSPORT INFORMATION

<i>DOT SHIPPING INFORMATION</i>	Not classified
<i>PROPER SHIPPING NAME</i>	Non-hazardous
<i>PACKING GROUP</i>	N/A
<i>LAND TRANSPORT ADR/RID/ADN</i>	Not classified
<i>U.S. DOT INFORMATION</i>	Not classified

14. REGULATORY INFORMATION

<i>GHS CLASSIFICATION</i>	Not classified as a hazardous material to humans or the environment		
<i>U.S. FEDERAL REGULATIONS</i>	No product components are listed under: CERCLA or SARA		
<i>CHEMICAL INVENTORY LISTING</i>			
<i>EUROPE (EINECS): COMPLIANT</i>	USA (TSCA): Compliant	Canada (DSL): Compliant	Australia (AICS): Compliant
<i>JAPAN (ENCS): COMPLIANT</i>	China (IECSC): Compliant	Korea (ECL): Compliant	Philippines (PICCS): Compliant