



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### ControHeat Heat Transfer Compound, Grade 1

**Manufacturer:** Controls Southeast, Inc.  
12201 Nations Ford Road  
Pineville, NC 28134  
Phone: 704-644-5000  
Information Phone Number: 704-644-5000  
Emergency Phone Number: 704-644-5000  
Website: [csiheat.com](http://csiheat.com)

**Product Information:** Phone: 704-644-5000  
Website: [csiheat.com](http://csiheat.com)  
Email: [sales@csiheat.com](mailto:sales@csiheat.com)

**Date Prepared:** August 27, 2015

## SECTION 2: HAZARDS IDENTIFICATION

**Classification:** OSHA Hazard Communication Standard

Not Hazardous

**Label Elements:**

Not hazardous in accordance with the OSHA Hazard Communication Standard (29CFR 1910.1200)

**Pictograms:** None required

**Hazard Phases:** None

**Other Hazards:** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient</b>	<b>CAS #</b>	<b>%</b>
Sodium Silicate	1344-09-8	20-30%
Graphite, Natural	7782-42-5	30-40%
Clay Power	1332-58-7	30-40%

**SECTION 4: FIRST AID MEASURES**

**Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin Contact:** Wash with soap or water. Get medical attention if irritation occurs or persist.

**Eyes:** Rinse eyes well with water. Get medical attention if irritation occurs or persist.

**Ingestion:** Rinse mouth with water. Call a physician if symptoms develop or persist. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed:** None known.

**Indication of any immediate medical attention and special treatment needed:** Immediate medical attention generally not required.

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Water Fog, Dry Chemical Powder, Foam, or CO2 (Carbon Dioxide).

**Fire Fighting Instructions:** This material will burn but not easily ignited. See Section 7 for proper handling and storage. For fire involving this material, do not enter any enclosed or confined spaces without proper protective equipment, including self-contained breathing apparatus.

**Special Methods:** Use standard firefighting procedures and consider the hazards of other involved material.

**General Fire Hazards:** No unusual fire or explosive hazards noted.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear all appropriate Personal Protective Equipment (PPE). Keep all unnecessary personnel out of the area. Eliminate all sources of ignition in the vicinity of any spilled material. Clean up spills immediately to prevent contamination of soil, surface or groundwater. Spills will create a slip hazard.

**Methods and Materials for Containment and Cleaning Up:** Because of its viscous nature, this product is not expected to leak or spill. Collect liquid spill (if any) with an inert absorbent material and place into a suitable container for disposal. Dispose of all spilled material into a container for disposal.

## SECTION 7 : HANDLING AND STORAGE

**Precautions for Safe Handling:** Wear rubber gloves and goggles where contact is possible. Avoid any release to the environment. Observe good industrial hygiene practices.

**Precautions for Safe Storage:** Keep container closed when not in use. Store at normal ambient temperature. Protect product from water exposure. Store away from extreme heat and open flames.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

**Hand Protection:** Cotton or rubber gloves.

**Eye Protection:** Safety glasses with side shields and goggles.

**Other Protection:** Wear appropriate clothing to prevent any possibility of skin contact. Safety shower and eye wash station should be within direct access.

**Hygiene Measures:** Do not smoke in work area. Wash hands at the end of each work shift, before eating, smoking and using the toilet. Wash promptly if skin comes in contact with product. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**Environmental Exposure Controls:** Keep container tightly sealed when not in use.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Semi-solid

**Color:** Black

**Odor:** No Odor

**Specific Gravity:** 1.7

**PH:** NA

**Boiling Point:** Very High

**Vapor Pressure:** 156 mmHg

**Vapor Density:** (Air=1) NA

**Solubility in Water:** Complete (Before Product Curing)

**Evaporation Rate:** (Water=1) >1

## SECTION 10 : STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid extreme heat.

**Incompatible Materials:** May react with strong acids or strong oxidizing agents.

**Hazardous Decomposition Products:** None known or expected.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### Information on Toxicological effects

**Eyes:** May cause irritation if not treated.

**Skin:** May cause irritation with continued contact. Product is slightly alkaline. Prolonged or repeated exposure may cause skin irritation.

**Ingestion:** Irritation to mucous membranes of mouth, throat, esophagus and stomach could occur.

**Inhalation:** No adverse effects expected at ambient temperatures.

**Carcinogen Status:** None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

**Health Hazards:** This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Avoid contact with skin, eyes and clothing. Follow safe industrial hygiene practices when handling this product.

## SECTION 12 : ECOLOGICAL INFORMATION

Effects of low concentrations on aquatic life are unknown. Prevent any releases or discharges to soil, surface water, ground water or sewer systems.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state, regional and national regulations.

## SECTION 14 : TRANSPORT INFORMATION

**Special Shipping Precautions:**

**DOT Shipping Name:** Not Required

**DOT Hazard Class:** None

**Labels:** None

**Packaging Group:** None

**ID Number:** None

**RQ:** None

**Special Shipping Information:** Not specifically listed in the US Hazardous Material Shipping Regulations (49CFR, Table 172.101). There are no known local, state, federal, or international transport restrictions.

**DOT:** Not regulated as dangerous goods.

**IATA:** Not regulated as dangerous goods.

**IMDA:** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL73/78 and the ICB code:** Not Established. Not Applicable.

## SECTION 15 : REGULATORY INFORMATION

### **Safety, health and environmental regulations specific of this product.**

CERCLA Hazardous Substances (Section 103) RQ: This product is not subject to reporting requirements under CERCLA. However many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous

SARA 313: This product does not contain any chemicals regulated under SARA Title III, Section 313.

EPA TSCA Inventory: All of the components of this product are included or exempted from listing on the TSCA inventory of chemical substances.

California Proposition 65: This product is not known to contain listed chemicals.

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as a probable human carcinogen.

**SECTION 16 : OTHER INFORMATION**

Controls Southeast, Inc. **704-644-5000**  
12201 Nations Ford Road  
Pineville, NC 28134

**NFPA HAZARDS:**

**Fire: 0 Health: 1 Reactivity: 0**

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