

# SAFETY DATA SHEET

Revision Date: September 19, 2018

## SECTION 1: IDENTIFICATION

**Product Name:** TRACIT-600A Heat Transfer Compound  
**REACH number:** Not relevant (mixture)  
**Recommended use:** Heat tracing, surface-to-surface heat conduction  
**Manufacturer:** Chemax Manufacturing Corporation  
 1025 River Road  
 New Castle, Delaware 19720 USA  
 Tel: (800) 804-4596, E-mail: sales@chemax.com

**Emergency telephone number:**

(800) 804-4596 ext. 2 (Manufacturer), (800) 222-1222 (Poison Control)

## SECTION 2: HAZARD IDENTIFICATION

**Classification:** OSHA Hazard Communication Standard: This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200  
**Label elements:** No significant hazard as per GHS  
**Pictograms:** None required  
**Hazard phrases:** None  
**Other hazards**  
**Health hazards:** Not expected to be a health hazard when used under normal conditions. Avoid prolonged contact with skin, and direct contact with eyes.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	%
Sodium Silicate	1344-09-8	30-50%
Natural Graphite	7782-42-5	30-60%
Ball Clay	1332-58-7	10-20%

## SECTION 4: FIRST AID MEASURES

### Description of first aid measures

**Inhalation:** Under typical conditions of intended use, material is not expected to be inhalation hazard. If symptoms exist, move to fresh air and seek medical attention.

**Skin contact:** Wash contact area with soap and water. Get medical attention if irritation persists.

**Eye contact:** Hold eye lids open and flush thoroughly with water for 5-10 minutes. Remove contact lenses. If irritation develops seek medical treatment.

**Ingestion:** Do not induce vomiting. Rinse mouth with fresh water. Call a doctor if symptoms persist.

### Indication of immediate medical attention and special treatment needed:

No specific medical attention generally required.

## SECTION 5: FIRE-FIGHTING MEASURES

**Flammable limits:** Material is non-combustible.

### Suitable extinguishing media:

Water spray (fog), dry chemical, foam, or CO<sub>2</sub>.

### Unsuitable extinguishing media:

Water stream may splash burning liquid and spread fire.

### Special hazard arising from the substances or mixture:

No special exposure hazards are known.

**Advice to firefighters:** Wear proper protective equipment and SCBA.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment, and emergency procedures:

Wear appropriate Personal Protective Equipment (PPE). Keep all unnecessary personnel out of the area. Clean up spills to prevent slipping hazards, and contamination of soil, surface, or groundwater.

**Environmental precautions:**

Material is water-soluble. Material is slightly alkaline and harmful to aquatic life (See Section 12: Ecological information). Prevent discharge into sewers or streams by covering nearby drains.

**Methods and materials for containment and cleaning up:**

This compound has a high viscosity, and will not likely leak or spill. Uncured material may simply be scooped-up using available tools. Water may be used to aid in cleaning-up hardened material. Place collected material into a closed container for disposal. Follow local disposal regulations.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:**

Wear protective gloves and goggles when handling.  
Avoid prolonged contact with skin, and direct contact with eyes.  
Follow good industrial hygiene and safety practices when handling.

**Precautions for safe storage:**

Store at room temperature. Keep lid sealed tightly when not in use.  
Protect compound from direct contact with water and acids.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering measures/controls:**

Keep container closed when not in use. Allow adequate ventilation.

**Personal protective equipment (PPE)**



**Eye:** Wear safety glasses/goggles when direct eye contact is a possibility.

**Hand:** Wear cotton or rubber gloves when handling.

**Respiratory:** Wear NIOSH/MSHA approved respirators when removing hardened compound and dust levels exceed recommended TLV levels.  
Graphite dust exposure limits: OSHA PEL: TWA 5 mg/m<sup>3</sup> (resp)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Color:</b>	Black
<b>Physical state:</b>	Semi-solid
<b>Specific gravity:</b>	1.7
<b>Odor and threshold:</b>	None
<b>pH:</b>	10-12
<b>Vapor pressure:</b>	156 mmHg. at 61.5 °C
<b>Evaporation rate:</b>	>1 (water)
<b>% volatile by volume:</b>	0 %.
<b>Solubility in water:</b>	50-60%
<b>Boiling point:</b>	216 °F (102 °C)
<b>Flash point (°C):</b>	No volatile organic content.
<b>Explosion properties:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>Auto-ignition temp.:</b>	No data available
<b>Decomposition temp:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Flammability:</b>	No data available
<b>Freezing point:</b>	32 °F (0 °C)

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Compound is not reactive under normal conditions of intended use.

**Stability:** Compound is stable if used in recommended temperature range.

**Conditions to be avoided:**

Do not exceed instructed upper temperature limit.

**Materials to avoid:** Compound will gel when mixed with acid. May form carbon monoxide if mixed with sugar residue.

**Hazardous decomposition products:**

Uncured compound will decompose when mixed with acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

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

**Skin:** Compound is slightly alkaline, and repeated contact may cause irritation.

**Ingestion:** May cause irritation to mucous membranes of mouth, throat, stomach.

**Inhalation:** No adverse effects.

**Carcinogen status:** Product is not listed as a possible carcinogen by OSHA, IARC, or NTP.

**Health hazards:** No known chronic effects. Not expected to aggravate medical conditions.

## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** **Data based on sodium silicate (30-50% total volume before curing).**

Fish (Brachydanio rerio): LC50 (96 hour) 1108 mg/l

Aquatic invertebrates (Daphnia magna): EC50 (48 hour) 1700 mg/l

**Persistence and degradability:**

Sodium silicate rapidly de-polymerizes into a form indistinguishable from natural dissolved silica. Will not bio-accumulate.

**Other adverse effects:**

Alkalinity of this material may have a localized pH effect on ecosystems.

**Other information:** Prevent discharge into sewers or streams.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Product waste:** Dispose of product in accordance with local, regional, national, and/or international regulations. Prevent discharge into sewers or streams.

**Packaging waste:** Dispose of container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: TRANSPORT INFORMATION

**Special shipping precautions/information:**

Product is not listed in the US hazardous materials shipping regulations (49cfr, table 172.101). No known local, state, federal, or international transport restrictions.

	<b>Bulk shipping</b>	<b>Non-bulk shipping</b>	<b>Identification #</b>	<b>Hazardous class</b>
US DOT:	Not required	Not required	Not required	Not required
Canadian TDG:	Not required	Not required	Not required	Not required
European :	Not required	Not required	Not required	Not required
ADR, IMDG, IATA-DGR:	Not classified as hazardous product for land, sea and air transport.			

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**OSHA Hazard Communication Standard:**

This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

**TSCA Inventory list:** Reported/listed.

**SARA 311/312.:** This material does not contain any chemical substance on SARA extremely hazardous substance list.

**SARA 313:** This product contains no chemicals regulated under SARA Title III, Section 313.

## SECTION 16: OTHER INFORMATION

**NFPA HAZARDS: Health: 1 Reactivity: 0 Fire: 0**