

# MATERIAL SAFETY DATA SHEET

Chem-A-Co. Inc  
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General Information No.: 800-383-5566  
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## SCI-62®

### I. PRODUCT IDENTIFICATION

**Product Name:** SCI-62®  
**Manufacturer:** TRAMFLOC, INC.  
**EPA Registration No.:** 61943-1

### COMPOSITION / INGREDIENTS

Ingredients which may contribute to known hazards:

**Component:** Copper Sulfate  
Sulfuric Acid

### III. TRANSPORTATION DATA

This product is classified for transportation as follows:

	<u>Regulated</u>	<u>Non-regulated</u>
DOT (land)	X	
ICAO (air)	X	
IATA (air)	X	
IMO (water)	X	

**Shipping Name:** Corrosive Liquids, acidic, inorganic,  
NOS, 8, UN3264, Pg III

**Packing Group:** III (Corrosive Material - Class 8)  
Corrosion rate on aluminum exceeded 6.25 mm (0.25") a  
year at a surface temperature of 55°C (130°F).

### IV. PHYSICAL DATA

**Boiling Point:** 220.0°F (104.4°C)  
**Melting Point:** Not Applicable  
**Freezing Point:** 32.0°F (0°C)  
**Specific Gravity:** 1.2 (With copper)  
**Vapor Pressure:** 0.1 mm Hg @ 68°F  
**Vapor Density:** 1.0  
**Solubility in H<sub>2</sub>O:** Very Soluble  
**% Volatiles by Vol.:** Not determined  
**Evaporation Rate:** Not determined  
**Appearance / Odor:** Clear Blue / Mild Odor  
**pH (Buffered):** 1.0

### V. FIRE AND EXPLOSION DATA

**Flash Point:** Not Applicable  
**Flammable Limits:** Not Applicable  
**Extinguishing Media:** Not Applicable

### VI. HEALTH HAZARD INFORMATION

**Oral LD<sub>50</sub> (rat):** 1.57 g/kg (rat)  
**Dermal LD<sub>50</sub> (rabbit):** No findings at a dose of 2.0 g/kg  
**Inhalation (rat) LC<sub>50</sub>:** Not Applicable  
**Primary Dermal Irritation (rabbit):** Slight dermal  
irritation in five or six rabbits. The other rabbit exhibited  
moderate to severe dermal irritation (Toxic Category III)  
**Dermal Sensitization (Guinea pig):** Not considered to  
be a skin sensitizer in guinea pigs  
**Health Hazard:** Avoid breathing fumes, contains  
elemental copper. Ingestion may result in acute copper  
toxicity.  
**Symptoms of Exposure:** Sulfur Allergic conditions and  
skin irritation.  
**Emergency and First Aid Procedures:** Treat as a sulfur  
base reaction with water.  
**Eyes:** IMMEDIATELY flush eyes with plenty of water  
for at least 15 minutes holding eyelids apart to ensure  
flushing of the entire eye surface. Seek medical attention  
immediately.

**Skin:** IMMEDIATELY wash with soap and water  
Remove contaminated clothing and footwear. Wash  
clothing and decontaminate footwear before use. Seek  
medical attention if irritation persists.  
**Ingestion:** If swallowed. Contact a Physician or Poison  
Control Center. Drink copious amounts of water. Seek  
medical attention immediately.  
**Inhalation:** Remove person from contaminated area to  
fresh air or employ proper respiratory protection until  
adequate ventilation or other control measure is restored.  
If symptoms develop, seek medical attention.  
**Effects of Chronic Overexposure:** Contact with liquid,  
mist or vapor can cause immediate irritation or corrosive  
burns to all human tissue. Severity of the burn is  
generally determined by the concentration of the solution  
and duration of exposure. Contact with eyes may result in  
permanent visual loss unless removed quickly by thorough  
irrigation with water. Inhalation of concentrated vapor or  
mist will damage upper respiratory tract and lung tissues.  
Swallowing may be fatal. Repeated exposure may cause  
chronic bronchitis or respiratory inflammation. Repeated  
skin contact with dilute solutions may cause dermatitis.

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## VII. REACTIVITY AREA

**Conditions Contributing to Instability:** Under normal use conditions, this product is stable.

**Incompatibility:** Avoid mixing with strong bases and strong reducing agents.

**Hazardous Decomposition Products:** Not Applicable

**Conditions Contributing to Hazardous Polymerization:** Material is not known to polymerize.

## VIII. INDUSTRIAL HYGIENE CONTROL

**Ventilation Requirements:** Good industrial hygiene Practice dictates that indoor work areas be isolated and provided with adequate local exhaust ventilation.

### Specific Personal Protective Equipment

**Respiratory:** NIOSH-approved high efficiency respirator for the type of chemical or high efficiency dust/mist Respirator. For some exposures, a NIOSH approved shelf contained breathing apparatus or shelf supplied air respirator may be necessary.

**Eye:** Protective Eyewear (such as goggles or face shield)

**Gloves:** Waterproof gloves

**Other Clothing and Equipment:** Protective clothing consisting of a rubber apron, long-sleeved shirt, long pants, boots and gear to cover the head and neck should be worn when handling this product. Workers should avoid leather boots and gloves which can become impregnated with the material. Clothing should be changed at least Daily and contaminated clothing not laundered at home. Persons exposed routinely to the active material should shower prior to leaving work each day. Safety shower and eyewash stations should be provided in areas in which the product is stored and/or handled.

## IX. SPILL OR LEAK PROCEDURES

### \*Steps to be taken if Material is Released or

Flush with water into a retaining area or container neutralize with bicarbonate or soda or lime. Shovel or vacuum up material and place in an empty metal drum and seal with a cover. Cautiously spray residue with plenty of water. Recover resulting solution or slurry for proper disposal. Do not allow material or solution into any sewer. Any release of the product to the environment may be subject to federal or state reporting requirements.

Check with appropriate agencies.

*\*Keep away from nylon and galvanized equipment*

## X. SPECIAL PRECAUTIONS

**Handling:** Avoid prolonged or repeated inhalation of vapor or contact with skin and eyes.

**Storage:** Store closed, labeled containers in a cool, dry well ventilated area. Do not store below 40°F (4.4°C) or directly on concrete as it will result in loss of copper suspension and adversely affect product performance. Avoid storage in excessive heat as expansion of the containers may occur causing spillage. Maintain good housekeeping and protect containers from physical damage.

**Disposal:** Neutralize with bicarbonate of soda or lime stone and dispose of as a fertilizer grade material in accordance with federal, state and local regulations.

**Other:** Keep away from nylon and galvanized equipment.

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