

# MATERIAL SAFETY DATA SHEET

Grout-Seal

Date Revised: 05/26/2005

## SECTION 1 – MATERIAL AND MANUFACTURER IDENTIFICATION

Product Identifier: Grout-Seal  
Product Use: Stain protection

### MANUFACTURER

CTI (Chemical Technologies International Inc.)  
PO BOX 968  
Rancho Cordova, CA 95741  
Phone: (916) 638-1315 Fax: (916) 638-0712  
Emergency Assistance Calls: Chemtrec (800) 424-9300 (U.S.A.) 24hrs.

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>
1 Mineral Spirits	8052-41-3
2 N-Heptane	142-82-5
3 Ethyl Acetate	141-78-6
4 Butyl Acetate	123-86-4

(SEE SECTION 8 FOR EXPOSURE GUIDELINES)

## SECTION 3 – Hazards Identification

### Emergency Overview

Clear liquid with light scent.

Avoid breathing. Irritating to respiratory and digestive tract, eyes and skin, harmful if swallowed.

### Potential Health Effects

Routes of entry: (skin: yes) (inhalation: yes) (ingestion: yes) (eye: yes)

### **Eye Contact:**

May irritate eyes. Direct or prolonged contact with eyes will be painful and irritating may also cause possible permanent damage.

### **Skin Contact:**

Repeated exposure may cause skin irritation, drying, chapping.

### **Inhalation:**

Excessive inhalation may cause symptoms such as (but not limited to) irritation of the respiratory tract coughing, dizziness, nausea, fatigue, pulmonary disorders or asphyxiation. May aggravate pre existing lung disorders (i.e.;

### **Ingestion:**

If swallowed can cause GI irritation.

**Chronic effects:** Not established.

## SECTION 4 – FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get medical attention if irritation persists.

**Skin Contact:** Flush thoroughly with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists after washing.

**Inhalation:** Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If breathing stops administer artificial respiration. Get medical attention immediately.

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**Ingestion:** Get medical attention.

Do not induce vomiting. Never give anything by mouth to an unconscious person. Give large quantities of water and if available give several glasses of milk. If vomiting occurs spontaneously, keep airway clear and give more water.

## SECTION 5 – Fire Fighting Measures

Flashpoint: >120 F

Flammable Limits: LEL 1.3, UEL 9.8 @ 77° F

Auto ignition Temperature: 660° F

### General Hazard:

During a fire smoke may contain the original material in addition to toxic and or irritating compounds. Avoid heat sparks or open flame. Vapors can travel considerable distances to a source of ignition where they can ignite.

### Fire Fighting Instructions:

Use dry chemical or CO2 . Use water (only to cool) nearby containers and structures exposed to fire.

### Fire fighting Equipment:

Fire fighters should wear a self contained, positive pressure breathing apparatus and full protective clothing (NICS/MSHA APPROVED).

### Hazardous combustion products:

Not established

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Small Spills:** Dispose of in DOT approved waste container.

**Large Spills:** Dispose into DOT approved waste container. If possible complete clean up on a dry basis. Comply with all applicable governmental regulations on spill reporting, handling and disposal of waste.

Contain all spills or leaks to prevent discharge into the environment. All spills or releases need to be reported to the appropriate local, state and federal agencies.

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions of method of its use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true but all statements and suggestions are made without any warranty, expressed or implied, regarding accuracy of the information. The hazards connected with the use of this material and the results to be obtained from the use thereof.

For use by professionals ONLY. Avoid breathing this product. Always ensure good ventilation of surroundings during use of this chemical. Do not use this chemical in a poorly ventilated area. Always keep container tightly closed and properly labeled. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

**Storage temperature:** store in cool dry place

**Storage pressure:** Atmospheric

Avoid excessive heat. Avoid storage with oxidizing or reducing agents, acids.

## SECTION 8 – EXPOSURE / PERSONAL PROTECTION

COMPONENT # (Refer to section 2 for component #)	EXPOSURE LIMITS		OTHER LIMIT	HAZARD
	OSHA PEL	ACGIH TLV		
1	100ppm	100ppm		
2	500ppm	400ppm		
3	400ppm	400ppm		
4	150ppm	150ppm		

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Ventilation: Always assure adequate ventilation.

Respiratory: These precautions are not usually necessary in adequately ventilated areas below TVL. Wear NIOSH/MSHA approved respirator with an organic vapor cartridge when airborne concentrations are expected to exceed exposure limits

Eye Protection: Wear safety goggles to protect against contact when appropriate.

Skin: Wear protective clothing to minimize skin contact. Wash skin after use. Wash contaminated clothing and dry before reuse.

Other: One should always use chemicals with an awareness of the potential hazard of the effect on the human system. To minimize employee exposure to all chemicals, including this product, use good industrial hygiene practices.

## SECTION 9 – Physical and Chemical properties

Clear Liquid with light smell.

PH: N/A

Vapor density: 1 at 68 approximately

Boiling point: 354 to 372

Freezing/Melting point: < -76

Solubility in water: less than .01

Density: .76 at 60 approximately

Flammability: Flashpoint 120 deg. FCC

Evaporation rate: eether = 1 <1

Viscosity: not available: 1.7 at 77 deg. approximately x.

## SECTION 10 – Stability and Reactivity

Chemical Stability: Stable under ambient temperature and atmospheric pressure. Stable under recommended storage and handling conditions.

Conditions to avoid: Keep away from heat or excessive pressure.

Incompatibility with other materials: Strong oxidizing agents, strong acid, and selected amines.

Hazardous decomposition products: Thermal decomposition can produce CO<sub>2</sub>, CO and possible traces of phosgene and HF.

Hazardous polymerization: Major components of this mixture show no hazardous polymerization.

## Section 11- Toxicological Information

Toxicological information not available on this mixture.

## Section 12- Ecological Information

Ecological information not established on this mixture

## Section 13- Disposal practices

Dispose of all waste, empty bottles and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

Do not dump into storm drains, sanitary sewers or any body of water. All disposal methods must be in compliance with all federal, State/ Provincial and local laws and regulations. Regulations may vary in different locations.

Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. The vendor has no control over the management practices or the processes by which the party who handles or uses this material. The information presented here pertains only to the product as shipped in its intended condition and recommended usage.

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## Section 14- Transport information

Consult 49 CFR to assure compliance with all applicable federal, state/provincial and local laws and regulations that may apply to you.

## Section 15- Regulatory Information

US Federal Regulations:

OSHA standards require that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, MSDS sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this material safety data sheet (MSDS) available to your employees and those who handle or consume the product.

To aid our customers in complying with regulatory requirements regulatory information for components of this product are indicated below.

This mixture has no established regulatory information.

## Section 16- Other Information

All information appearing herein is based upon data obtained from the manufacturer and /or recognized technical sources of each individual component. While the information is believed to be accurate, CTI makes no representations as to its accuracy or sufficiency. Conditions of use are beyond CTI's control and therefore users are responsible to verify this data under their own operating conditions to determine whether this product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance on information contained herein. This information relates only to the product-designated herein, and does not relate to its use in combination with any other material or in any other process.

**Legend:**

**References:**