

## Material Safety Data Sheet

**Product Name: SoftGUARD®**

Revision Date: 03/27/08  
Version: 1

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### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

SoftGUARD

**Catalog Numbers:**

11002-24-001, 12003-12-001, 12008-06-001, 11016-06-001, 11027-12-001, 11128-04-001  
12-544-20, 14-379-20, 14-379-21, 14-379-22, 14-379-46, 19-023-979

**Synonyms:**

None Known.

**Company Identification:**

Thermo Scientific  
20 Post Road  
Portsmouth, NH 03801

**Company Phone Number:**

**CHEMTREC**  
1-888-374-3724

**Emergency Phone Number /**

1-800-424-9300

**CHEMTREC Phone Number, Europe:**  
(202) 483-7616

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### Section 2 - Composition, Information on Ingredients

No hazardous ingredients per 29CFR 1910.1200

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### Section 3 - Hazards Identification

#### Emergency Overview

Appearance: white cream

Caution! May cause eye, skin, and respiratory tract irritation. This is expected to be a low hazard for usual industrial handling. Target Organs: no data found.

#### Potential Health Effects

**Eye:**

May cause eye irritation.

**Skin:**

May cause skin irritation.

**Ingestion:**

May cause irritation of the digestive tract.

**Inhalation:**

May cause respiratory tract irritation.

**Chronic:**

No information found.

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## Section 4 – First Aid Measures

**Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Skin:**

In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:**

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:**

Treat symptomatically and supportively.

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## Section 5 – Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:**

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Autoignition Temperature:**

**Explosion Limits:**

Lower: Upper:

**Flash Point:**

**NFPA Rating:**

(estimated) Health: 1; Flammability: 0; Instability: 0

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## Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## Section 7 - Handling and Storage

### Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

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## Section 8 - Exposure Controls, Personal Protection

### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

**Chemical Name:** No hazardous ingredients per 29CFR 1910.1200

ACGIH: None listed

NIOSH: None listed

OSHA: None listed

### OSHA Vacated PELs

None Listed

## Personal Protective Equipment

### Eyes:

Wear chemical splash goggles.

### Skin:

Wear appropriate protective gloves to prevent skin exposure.

### Clothing:

Wear appropriate protective clothing to prevent skin exposure.

### Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

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## Section 9 - Physical and Chemical Properties

**Physical State:** Cream

**Color:** white

**Odor:** odorless

**pH:**

**Vapor Pressure:**

**Vapor Density:**

**Evaporation Rate:**

**Viscosity:**

**Boiling Point:** 210-212°F

**Freezing/Melting Point:**

**Decomposition Temperature:**

**Solubility in water:** Soluble.

**Specific Gravity/Density:** 0.998

**Molecular Formula:** Mixture

**Molecular Weight:**

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## Section 10 - Stability and Reactivity

### **Chemical Stability:**

Stable under normal temperatures and pressures.

### **Conditions to Avoid:**

No specific conditions to avoid noted.

### **Incompatibilities with Other Materials**

strong oxidizing agents.

### **Hazardous Decomposition Products**

None.

### **Hazardous Polymerization**

Has not been reported.

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## Section 11 - Toxicological Information

### **RTECS:**

### **LD50/LC50:**

### **Carcinogenicity:**

### **Epidemiology:**

No information found.

### **Teratogenicity:**

No information found.

### **Reproductive:**

No information found.

### **Mutagenicity:**

No information found.

### **Neurotoxicity:**

No information found.

### **Other:**

See actual entry in RTECS for complete information.

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## Section 12 - Ecological Information

No information found

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## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### **RCRA P Series Wastes**

None of the components are on this list.

### **RCRA U Series Wastes**

None of the components are on this list.

## **Section 14 - Transport Information**

### **US DOT Canadian TDG**

**Proper Shipping Name:** Not regulated as a hazardous material

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## **Section 15 - Regulatory Information**

### **TSCA**

No hazardous ingredients per 29CFR 1910.1200 is not listed on the TSCA Inventory. It is for research and development use only.

### **Health and Safety Reporting List**

None of the components are on this list.

### **Chemical Test Rules**

None of the components are on this list.

### **TSCA Section 12b**

None of the components are on this list.

### **TSCA Significant New Use Rule (SNUR)**

None of the components are on this list.

### **CERCLA Hazardous Substances and corresponding RQs**

None of the components are on this list.

### **SARA Section 302 Extremely Hazardous Substances**

None of the components are on this list.

### **SARA Hazard Categories**

Not evaluated.

### **SARA Section 313**

None of the components are on this list.

### **Clean Air Act - Hazardous Air Pollutants (HAPs)**

None of the components are on this list.

### **Clean Air Act - Class 1 Ozone Depletors**

None of the components are on this list.

### **Clean Air Act - Class 2 Ozone Depletors**

None of the components are on this list.

### **Clean Water Act - Hazardous Substances**

None of the components are on this list.

### **Clean Water Act - Priority Pollutants**

None of the components are on this list.

### **Clean Water Act - Toxic Pollutants**

None of the components are on this list.

### **OSHA - Highly Hazardous**

None of the components are on this list.

### **OSHA - Specifically Regulated Chemicals**

None of the components are on this list.

## **US State**

### **State Right to Know**

#### **California Prop 65**

CAS# Not available

#### **California No Significant Risk Level**

CAS# Not available

## **European/International Regulations**

### **European Labeling in Accordance with EC Directives:**

Hazard Symbols:

Risk Phrases:

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

### **WGK (Water Danger/Protection)**

### **United Kingdom Occupational Exposure Limits**

### **United Kingdom Maximum Exposure Limits**

### **Canadian DSL/NDSL**

None of the chemicals in this product are listed on the DSL/NDSL list.

### **Canadian WHMIS Classifications**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

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## **Section 16 - Other Information**

MSDS Creation Date: July 14, 2005

Revision Date: March 27, 2008

*Disclaimer: This MSDS is intended for review and guidance in the receipt, storage, handling, use and disposal of product purchased from Thermo Scientific and for no other purpose. Use this product only as directed and in accordance with applicable instructions and warnings provided with the product. Please consult your institution's policies regarding use of this product. If you have obtained this MSDS other than in connection with the supply of this product from us, this MSDS should be consulted for general information only, and should not be relied upon for any purpose. As with the use of all hazardous materials, you should in all instances follow the guidance of the MSDS provided or available with the specific product purchased.*

**END OF MSDS**

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