

# MATERIAL SAFETY DATA SHEET

## **THERMAFUSE HEATSMART SERUM CONDITION**

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### **Section I: General Information**

Grayson O Company  
PO Box 278  
Kannapolis, NC 28082

Emergency Phone: (704)932-6195  
Information Phone: (704)932-6195  
Date Prepared: 04/15/05

This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our knowledge. The Grayson O. Co. assumes no legal responsibility for use or reliance upon this data.

Chemical Family – Water Based Conditioning Treatment

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### **Section II: Hazardous Ingredients/Identity Information**

Hazardous Components

Specific Chemical Identity: Common Name(s) OSHA PEL ppm ACGiH TLVmg/m3  
Recommended %Optional  
None established

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### **Section III: Physical/Chemical Characteristics**

Boiling Point - Approximately 212 Degrees F  
Specific Gravity (H2O=1) 1.00  
Vapor Pressure - N/A  
Melting Point Approximately 1  
Vapor Density - N/A  
Evaporation Rate Approximately 1  
(AIR=1) (H2O=1)  
Solubility in Water - Low solubility. Dispersible in water.  
Appearance and Odor - White creamy emulsion with pleasant fragrance

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### **Section IV: Fire and Explosion Hazard Data**

Flash Point - Non Applicable Flammable Limits - N/A LFL - N/A UFL - N/A  
(method Used)  
Extinguishing Media - Water, Carbon Dioxide, Dry Chemical, or Universal Type Foams.  
Special Fire Fighting Procedures - Non Applicable.  
Unusual Fire and Explosion Hazards - Non Applicable.

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### **Section V: Reactivity Data**

Stability Unstable  
Stable

Conditions to Avoid: None

Incompatibility (Materials to Avoid) - None

Hazardous Decomposition or Byproducts - None

Conditions to Avoid:  
Hazardous Polymerization May Occur \_\_\_\_\_ Will Not Occur  None

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# MATERIAL SAFETY DATA SHEET

## **THERMAFUSE HEATSMART SERUM SHAMPOO**

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Chemical Family – Mild Surfactant Based Shampoo

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### **Section II: Hazardous Ingredients/Identity Information**

Hazardous Components

Other Limits

Specific Chemical Identity:	Common Name(s)	OSHA PEL ppm	ACGIH TLVmg/m3
Recommended	%Optional		
None Established			

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### **Section III: Physical/Chemical Characteristics**

Boiling Point - Approximately 212 Degrees F

Specific Gravity (H<sub>2</sub>O=1) 1.01

Vapor Pressure - N/A

Melting Point N/A

Vapor Density - N/A

Evaporation Rate Approximately 1

(AIR=1) (H<sub>2</sub>O=1)

Solubility in Water - Highly soluble.

Appearance and Odor - White hazy liquid with pleasant fragrance.

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### **Section IV: Fire and Explosion Hazard Data**

Flash Point - Non Applicable      Flammable Limits - N/A      LFL - N/A      UFL - N/A  
(Method Used)

Extinguishing Media - Non Applicable.

Special Fire Fighting Procedures - Non Applicable.

Unusual Fire and Explosion Hazards - Non Applicable

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### **Section V: Reactivity Data**

Stability            Unstable  
                         Stable   X  

Conditions to Avoid: None

Incompatibility (Materials to Avoid) - None

Hazardous Decomposition or Byproducts - None

Conditions to Avoid  
Hazardous Polymerization May Occur      \_\_\_\_\_ Will Not Occur   X        None



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## ThERMAFUSE HEATSMART SERUM

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Chemical Family – Hair Conditioning Treatment

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### Section II: Hazardous Ingredients/Identity Information

Hazardous Components

Specific Chemical Identity:	Common Name(s)	OSHA PEL ppm	ACGIH TLVmg/m3	Recommended	%Optional
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Octamethylcyclotetrasiloxane	Cyclomethicone	10 ppm	(CAS # 556-67-2)		
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Decamethylcyclopentasiloxane	(CAS # 541-02-6)				
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The above components are hazardous as defined in 29 CFR 1910.1200

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### Section III: Physical/Chemical Characteristics

Boiling Point - ND	Specific Gravity (H2O=1)	.960
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Vapor Pressure - ND	Melting Point	NA
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Vapor Density - ND (AIR=1)	Evaporation Rate (H2O=1)	>1
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Solubility in Water - Insoluble.

Appearance and Odor – Light amber hazy liquid with pleasant odor.

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### Section IV: Fire and Explosion Hazard Data

Flash Point (Method Used): 172 Degrees F/78.0 Degrees C	Flammable Limits - ND	LFL - NA	UFL - NA
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Extinguishing Media – Carbon dioxide (CO2). Water. Water fog (or spray). Dry chemical. Foam.

Special Fire Fighting Procedures:

Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area. Heat exposure pressurizes closed containers. Cool with water spray.

Unusual Fire and Explosion Hazards – Vapors are heavier than air and can travel along ground to remote ignition sources. Static electricity may accumulate and ignite vapors.

Prevent a possible fire hazard by suitable means, such as, bonding and grounding, inert gas purge, vapor dilution, and the like.

Hazard Decomposition Products – Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products.

Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.





**Section V: Reactivity Data**

Stability:	Stable
Conditions to Avoid:	Keep away from heat or ignition sources.
Incompatibility:	Keep concentrate away from strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Combustion of liquid may form oxides of carbon and nitrogen.
Hazardous Polymerization:	Will not occur.
Conditions to avoid:	None known when used as directed.

**Section VI: Health Hazard Data**

Route(s) of Entry:	Inhalation, eye, skin and ingestion.
Health Hazards (Acute and Chronic):	Inhalation – irritation of respiratory tract. possible damage from large doses. Ingestion – irritation of gastro-intestinal tract. Skin – possible irritation from large doses.
Eye – irritation;	
Carcinogenicity:	N/A
Signs and Symptoms of Overexposure:	Inhalation – irritation of respiratory tract, headache, dizziness, fatigue. Ingestion – irritation of gastrointestinal tract, nausea, diarrhea, vomiting. Eye – irritation or burning sensation. Skin – irritation or reddening.
Medical Conditions Generally Aggravated by Exposure:	None known when used as directed.
Emergency and First Aid Procedures:	Inhalation – remove victim to fresh air, obtain medical attention if necessary. Ingestion – call a physician or poison control center, induce vomiting only on the advice of a physician. Eyes – flush with water for fifteen (15) minutes, obtain medical attention if irritation persists.

(NOTE: This product is considered safe when used as directed.)

**Section VII: Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled:	Eliminate all ignition sources (vapor flammable). Ventilate area. At area where vapors may collect, wear SCBA breathing apparatus. Small spills should be flushed with large amounts of water. Large spills should be absorbed on nonflammable absorbent material for disposal. A release of 500 pounds or more may trigger the reporting requirements of CERCLA Section 103.
Waste Disposal Method(s):	Incineration of liquid, incineration or landfill of contaminated absorbent in accordance with local, state or federal regulations. Contact local authorities for proper disposal method.
Precautions to be Taken in Handling and Storing:	Product should be kept in cool, dry environment. Keep product away from ignition sources.
Other Precautions:	KEEP OUT OF REACH OF CHILDREN. DO NOT PUNCTURE OR ATTEMPT TO OPEN PRESSURIZED CONTAINER UNDER ANY CIRCUMSTANCES. DISPOSE OF CONTAINER PROPERLY. USE ONLY AS DIRECTED.

**Section VIII: Control Measures**

Respiratory Protection (Specify Type):

None necessary when product is used as directed. Avoid prolonged or repeated breathing of vapors.

Ventilation:

For salon or home use, always provide adequate ventilation. Local exhaust preferred. Mechanical exhaust acceptable.

Protective Gloves:

None necessary when product is used as directed.

Eye Protection:

None necessary when product is used as directed. Always avoid contact with eyes.

Work/Hygienic Practices: Normal safe working practices.