



A **VERS**atile New **GEN**eration of Specialty Products

Material Safety Data Sheet

Manufacturer's Name: Griffin Industries, Inc. **Phone:** 1-800-743-7413
4221 Alexandria Pike
Cold Spring, KY 41076

Section I – Product Identification

Common Name: VersaGen CG-70 **Formula:** HO-CH₂-CH(OH)-CH₂-OH
Chemical Name: Propantriol, 1,2,3-Propantriol **Chemical Family:** CAS No: 56-81-5
Molecular Weight: 92.09 g/Mol

Section II – Ingredients and Hazardous Classification

<u>Hazardous Components</u>	<u>Percent</u>	<u>CAS No.</u>	<u>OSHA PEL</u>	<u>ACGIH PEL</u>
Glycerin	65/80%	56-81-5	15 mg/m ³ (mist)	10 mg/m ³ (mist)
Water	15/25%	7732-18-5	Not Established	Not Established
Potassium Sulfate	<3%	7778-80-5	N/A	N/A
Methanol	0.5%	67-56-1	TWA 200ppm	TWA 200ppm

Section III - Physical/Chemical Characteristics

Boiling Point: 300°F **Specific Gravity (H₂O = 1):** 1.23
Vapor Pressure: <1 mm Hg **Melting Point:** 17.9
Vapor Density (Air = 1): 3.17
Solubility in Water: Miscible
Appearance and Odor: Clear, "Tea" Colored Liquid

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 340°F PMCC
Flammable Limits: Unknown
HMIS Rating **HEALTH:** 1 **FIRE:** 1 **REACTIVITY:** 0
Extinguishing Media: Use water fog, Carbon dioxide, foam or dry chemical
Special Fire Fighting Procedures: Wear fire fighting protective equipment and a full face self-contained breathing apparatus. Evacuate area, cool fire exposed containers with water spray.
Unusual Fire and Explosion Hazards: Combustion or heat may produce hazardous decomposition products and vapors.

Section V - Reactivity Data

Reactivity: Stable
Conditions to Avoid: Excessive heat, open flame
Incompatibility (Materials to Avoid): Strong Oxidizing agents
Hazardous Decomposition or By-products: Carbon monoxide and Carbon dioxide
Hazardous Polymerization: Will Not Occur

Section VI - Health Hazard Data

LD50 - LC50 Mixture: LD50 (oral rat) is 12,600 mg/kg
Route of Entry - Inhalation: No
Route of Entry - Skin: No
Route of Entry - Ingestion: No
Health Hazard Acute & Chronic: Target organs; Eye, Skin, Respiratory & GI Tracts. **Eye/Skin:** May cause irritation. **Inhalation:** May cause respiratory tract irritation. **Ingestion:** Mildly Toxic. May cause gastrointestinal discomfort. Chronic - Unknown.
Carcinogenicity: NTP: No **IARC:** No **OSHA:** No
Signs/Symptoms of Overexposure: Irritation, Nausea, Discomfort
Emergency First Aid: Get medical help if symptoms persist.
Inhaled: Remove to fresh air. Provide CPR/Oxygen if needed.
Eyes: Flush with water.
Ingestion: DO NOT INDUCE VOMITING, If conscious, drink plenty of water. Seek medical attention at once.

Section VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Wear protective equipment. Ventilate area. Remove open flames. Absorb with sand, vermiculite or similar material. Sweep up and place in an appropriate container. Hold for disposal. Wash contaminated spill area with water.
Waste Disposal Method: Recycle or incinerate. Observe all Local, State and Federal Regulations.
Precautions To Be Taken in Handling and Storing: Store in a cool, ventilated place away from incompatible materials. Keep containers tightly closed.
Other Precautions: Wash thoroughly with soap and water after handling and before eating, drinking, or smoking.

Section VIII - Control Measures

Respiratory Protection: None normally required
Ventilation: Mechanical
Protective Gloves: Rubber, Neoprene, PVC recommended
Eye Protection: Chemical splash goggles
Other Protective Clothing or Equipment: Lab coat
Work/Hygienic Practices: Observe good industrial Hygiene Practices and recommended procedures

Transportation

DOT Code: N/A
DOT Shipping Name: Glycerine
Other Regulatory: Listed in TSCA inventory

Date updated: 6/25/04
Person Responsible For Preparation: T. Dobbs 859-472-7363

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