

## SDS Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Chimney Balloon LLC TEL: 608-467-0229

Mauldin, SC 29662

FAX: 206-984-4611

**Product Name:** Super Fluid, or Smoke Pencil Refill Fluid

**Product Use:** Water-based fog fluid used in the following products:

- a) Smoke Pencil Pro
- b) Smoke Pencil One
- c) Smoke Pencil Field Kits

Product Ingredients: Glycerin (Synonyms: 1,2,3-Propanetriol; Glycerol), and distilled water. CAS Registry Number: 56-81-5

### 2. HAZARDS/ TOXICOLOGICAL PROPERTIES

Finding: The primary ingredient (Glycerin/1,2,3-Propanetriol; Glycerol) in Super Fluid, in small amounts, possess minimal to no toxicity and are commonly used in foods, drugs and cosmetics.

Root of Entry: Ingestion, eyes, skin, inhalation.

HMIS: 0

**Hazards Identification:** Glycerin (Synonyms: 1,2,3-Propanetriol; Glycerol),

- 1.) Classification of the substance or mixture - Not a hazardous substance or mixture
- 2.) GHS Label elements, including precautionary statements - Not a hazardous substance or mixture
- 3.) Hazards not otherwise classified (HNOC) or not covered by GHS - none

#### **Effects of Overexposure:**

**Ingestion:** No evidence of adverse effect for low dose.

**Eyes:** May cause slight transient eye irritation, seen as slight redness of the conjunctiva.

**Skin:** Essentially non-irritating to the skin. May cause minimal irritation of areas exposed to liquid. Skin sensitization – none.

**Inhalation:** A single prolonged (hours) exposure is not likely to cause adverse effects. Fog may cause asthmatic reactions in highly sensitive individuals.

**Carcinogenicity:** None

**Teratogenicity:** None

(Reproductive Effects) **Mutagenicity:** None

### **3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Super Fluid is a mixture of food grade kosher USP ingredients, consisting of glycerin, propylene glycol and distilled water. According to OSHA (1910.1200) this product is non-hazardous.

### **4. EMERGENCY FIRST AID PROCEDURES**

Eyes: Flush with water for several minutes, keeping eyelids open.

Skin: Rinse with water.

Ingestion: Drink plenty of water.

Inhalation: Bring person to fresh air if discomfort arises.

### **5. FIRE AND EXPLOSION HAZARD DATA**

Flammability: Nonflammable

Flash Point > 325.4° F. (162° C)

Auto ignition Temp. Not detectable

Flammable limits in air (% by volume) Not determined

Extinguishing media: Water, foam, dry chemicals, carbon dioxide

Unusual Fire and explosion hazards: None

HMIS: 0

### **6. Accidental Release Measures**

If the Super Fluid is spilled or leaking from the container, please apply a wet rag and soap to the area to soak up the solution and clean the area. The Super Fluid is non-toxic and water based. Product may stain a fabric surface.

### **7. Handling and Storage**

The Super Fluid should be stored in a cool dry place in a plastic or glass container. Make sure the container is placed on a stable surface to prevent accidental spilling or breaking of the container.

### **8. Exposure Controls/Personal protection**

According to OSHA (1910.1200) this product is non-hazardous. There are no exposure controls or personal protection guide lines specified or necessary for the Super Fluid.

### **9. PHYSICAL DATA / Chemical Properties**

Boiling Point: 212 - 480° F. ( 100-249° C )

Melting Point: Not Applicable (N/A)

Specific Gravity: (H<sub>2</sub>O = 1) 1.075 @ 68° F. / 20° C

Vapor Pressure: < .025 mm Hg

Vapor Density: Air = 1 4.1

Solubility in Water: Complete

Specific Gravity: (H<sub>2</sub>O = 1) 1.079 @ 68° F. / 20° C

Evaporation Rate: No data

Appearance and Odor: Clear. Unscented.

## 10. STABILITY AND REACTIVITY HAZARD DATA

Chemical Stability: Stable, does not polymerize. Does not react violently with: air, water, heat.

Incompatibility Materials: Strong oxidizing agents.

Hazardous Decomposition Products: With strong oxidizing agent: acetic acid, aldehydes, ketones, carbon dioxide and / or carbon monoxide.

HMIS: 0

## 11. TOXICOLOGICAL INFORMATION

Mutagenic Effects: No information available

Reproductive Effects: No information available.

Developmental Effects: No information available.

Teratogenicity: No information available.

STOT - single exposure: Central nervous system (CNS)

STOT - repeated exposure: None known

Aspiration hazard: No information available

Symptoms / effects, both acute and delayed: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

Endocrine Disruptor Information: No information available

Other Adverse Effects: No information available. The chemical substances in this product comply with all applicable rules or orders under TSCA. This product is not in violation of TSCA or any applicable rule or Order under TSCA.

## 12. ECOLOGICAL INFORMATION - Toxicity

· Ecotoxicity: Ecotoxicity in water (LC50): >5000 mg/l 24 hours [Goldfish]. >10000mg/l 48 hours [guppy]. >10000 mg/l 48 hours [water flea].

· Persistence and biodegradability: The products of degradation are less toxic than product itself.

· Bioaccumulative potential: No further relevant information available.

· Mobility in soil: No further relevant information available.

· Additional ecological information: None

General notes: Super Fluid is a mixture of food grade kosher USP ingredients, consisting of glycerin, propylene glycol and distilled water. According to OSHA (1910.1200) this product is non-hazardous. This product should not be ingested or poured into a body of water for disposal.

Results of PBT and vPvB assessment:

· PBT: Not applicable.

· VPVB: Not applicable.

· Other adverse effects No further relevant information available

### **13. DISPOSAL CONSIDERATIONS**

The Super Fluid should not be ingested or poured into a body of water for disposal. This product is non-hazardous according to OSHA (1910.1200) and non-toxic. Disposal is to be performed in compliance with all Federal and State/Provincial and local regulations. Do not dispose of via sinks, drains or into the immediate environment.

### **14. TRANSPORTATION INFORMATION**

- U.S. DOT Hazard Classification: Not regulated for transport
- UN number: Not applicable
- UN proper shipping name: Not applicable
- Transport hazard class(es): Not applicable
- Packing group number: Not Applicable
- Environmental Hazards: Not applicable
- Not classified in RID/ADR – IMDG – ICAO/IATA
- Special Provisions for Transport: Not applicable

### **15. ADDITIONAL REGULATORY INFORMATION**

WGK water endangering class: 1, low hazard to water

EU Classification:

This product is not classified as dangerous according to Directive 67/548/EEC

Canada:

HAZARDOUS INGREDIENTS – WHIMIS

This product when tested as a whole is not a controlled substance within the meaning of the Hazardous Products Act. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

### **16. PREPARATION/ OTHER INFORMATION**

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Prepared by: Chimney Balloon LLC

Information compiled from: Dr. James R. Beall, Ph.D. in Toxicological Services.

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