

# MSDS    Material Safety Data Sheet

## 1. IDENTIFICATION

**Manufacturer:**        Zero Toys, Inc.                    TEL: 978-371-3378  
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                                 Concord, MA. 01742                    E-MAIL: [sales@zerotoys.com](mailto:sales@zerotoys.com)

**Product Name:**        Super Zero Fog Fluid

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

- a) Zero Blaster
- b) Zero Launcher
- c) All Zero Fog Producing Toys

**Product**

**Ingredients:**            High purity food grade, kosher USP propylene glycol, glycerin, and distilled water.

## 2. PHYSICAL DATA

**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.

## 3. 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

## 4. INGREDIENTS

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

## **5. REACTIVITY HAZARD DATA**

**Chemical Stability:** Stable, does not polymerize. Also, 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.

## **6. TOXICOLOGICAL PROPERTIES**

**Finding:** The primary ingredients in Super Zero Fog 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.

### **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

## **7. 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.

#### **8. CHEMICAL INVENTORIES:**

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.

#### **9. PREPARATION INFORMATION**

**Date:** July 1 , 2013

**Prepared by:** Zero Toys, Inc.

**Information compiled from: Dr. James R. Beall, Ph.D.  
in Toxicological Services.  
Independent Report # STR 6121.8623  
and MSDS reports from chemical manufacturers  
of similar and/or same ingredients.**