



Safety Data Sheet

Smoke Fluid

Section 1. Identification

Product Identifier	Smoke Fluid		
Recommended use	Product is intended for professional Special Effects use only. Use of this material is at the sole risk of the purchaser.		
Uses advised against			
Manufacturer Contact	Roger George Special Effects 14525 Bessemer St Van Nuys, CA, 91411 USA		
	Phone	Emergency Phone	Fax
	(818) 994-3049	(800) 535-5053 #85740	(818) 994-9432

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 3
Signal Word	Warning
Pictogram	
Hazard Statements	Aspiration hazard if swallowed - can enter lungs and cause damage. Causes serious eye irritation Harmful to aquatic life
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prevention	Wash skin thoroughly after handling. Wear eye protection/face protection/gloves/protective clothing.
Storage	Protect from sunlight Store in a dry place Store in a well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazards not Otherwise Classified	None

Section 3. Ingredients

CAS	Ingredient Name	Weight %
57-55-6	Propylene Glycol	40% - Max
112-27-6	Triethylene Glycol	40% - Max

Occupational exposure limits, if available, are listed in Section 8.

This Product contains one or more ingredients where the specific chemical identity and exact percentage of composition has been withheld as a trade secret

Section 4. First-Aid Measures

Ingestion	Never give liquid to an unconscious person. Get medical attention immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Skin	In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Eye	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel if discomfort continues.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use alcohol-resistant foam, carbon dioxide, or dry chemical when fighting fires involving this material.
Unsuitable Extinguishing Media	Water jet will spread fire.
Fire fighting instructions	No data available
Flammable Properties	No data available

Section 6. Accidental Release Measures

Clean-up	Clean up small spills with absorbent materials and discard in a tightly covered approved waste container. For large spills, dike area to prevent spread. Reclaim liquid by pumping into salvage tanks and clean up remainder with absorbent materials. Unless grossly contaminated, reclaimed material can be recycled.
Precautionary Measures	Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
General Information	Use appropriate container to avoid environmental contamination. Use proper personal protective equipment as indicated in Section 8.

Section 7. Handling and Storage

General Information	Use proper personal protective equipment as indicated in Section 8.
Storage	Store in a tightly closed container.
Handling	Avoid breathing dust, vapor, mist, gas, fume, spray. Do not get in eyes, on skin, on clothing. Store away from incompatible materials. Ensure adequate ventilation.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL 1,2-
	Propanediol	10 mg/m ³	N/A	N/A
	Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves, Respirator			
Respirators	This material does not have established exposure limits. Wear a positive-pressure air-supplied respirator in situations where there may be potential for airborne exposure.			
Skin	Wear protective gloves/protective clothing/face protection as appropriate to avoid skin exposure.			
Eye	Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.			
Ingestion	Use good industrial hygiene practices in handling this material. Do not consume or store food in the work area. Wash hands before smoking or eating.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	N/A
Odor Threshold	N/A
Solubility	Soluble
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	1.127
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	217 F
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	369 F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	660 F
Vapor Pressure	<0.01
Vapor Density	>5.2

Additional Information This product has not been tested as a whole.

Section 10. Stability and Reactivity

Stability	No data available
Incompatibilities	No data available
Hazardous Decomposition	No data available.

Section 11. Toxicological Information

General	This product has not been tested as a whole
Acute Toxicity	Triethylene Glycol: LC50 (Rat, 4 h): > 3.9 mg/l, LCLo (Rat,): 5.2 mg/l 2 (reliable with restrictions), RD50 (Mouse,): 5.14 mg/l (, Yes) 2 (reliable with restrictions). Propylene Glycol: LC50 (Rabbit,): > 317,042 mg/m3 (, No) 2 (reliable with restrictions). Oral: ATEmix (): 2,004.008016 mg/kg.

Section 12. Ecological Information

Toxicity: Fish	Triethylene Glycol: LC 50 (Fathead minnow (<i>Pimephales promelas</i>), 12 h): 98,670 - 109,620mg/l Mortality, LC 50 (Brook trout (<i>Salvelinus fontinalis</i>), 18 h): > 82 - < 180mg/l Mortality, LC 50 (Bluegill (<i>Lepomis macrochirus</i>), 19 h): 70,600 - 80,080mg/l Mortality, LC 50 (Fathead minnow (<i>Pimephales promelas</i>), 22 h): 76,340 - 95,760 mg/l Mortality LC 50 (Fathead minnow (<i>Pimephales promelas</i>), 24 h): 90,390 - 99,850 mg/l Mortality. Propylene Glycol: LC 50 (Medaka, high-eyes (<i>Oryzias latipes</i>), 24 h): > 1,000 mg/l Mortality, LC50 (Goldfish (<i>Carassius auratus</i>), 24 h): > 5,000 mg/l Mortality, LC50 (Fathead minnow (<i>Pimephales promelas</i>), 48 h): 790 mg/l Mortality, LC50 (Medaka, high-eyes (<i>Oryzias latipes</i>), 48 h): > 1,000 mg/l Mortality, LC50 (Fathead minnow (<i>Pimephales promelas</i>), 96 h): 29,485 - 39,339 mg/l Mortality
Toxicity: Inveterbrates	Triethylene Glycol: EC 50 (Water flea (<i>Daphnia magna</i>), 2 d): 42,426 mg/l Intoxication, EC50 (Water flea (<i>Daphnia magna</i>), 7 d): 40,538 mg/l Intoxication, EC50 (Water flea (<i>Daphnia magna</i>), 14 d): 39,356 mg/l Intoxication, EC50 (Water flea (<i>Daphnia magna</i>), 21 d): 33,911 mg/l Intoxication, EC 50 (Water flea (<i>Daphnia magna</i>), 24 h): 78,500 mg/l Intoxication. Propylene glycol: EC50 (Water flea (<i>Daphnia magna</i>), 24 h): > 10,000 mg/l Intoxication, EC50 (Water flea (<i>Daphnia magna</i>), 48 h): > 10,000 mg/l Intoxication, LC50 (Brine shrimp (<i>Artemia salina</i>), 24 h): > 10,000 mg/l Mortality, LC50 (Water flea (<i>Ceriodaphnia dubia</i>), 48 h): 1,020 mg/l Mortality, LC50 (Water flea (<i>Ceriodaphnia dubia</i>), 48 h): 12,899 - 17,561 mg/l Mortality.
Bioaccumulative Potential	Triethylene Glycol: Sheepshead minnow (<i>Cyprinodon variegatus</i>), Bioconcentration factor (BCF): 1,700 (Flow through)

Section 13. Disposal

Compliance	ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001
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Section 14. Transport Information

Non-regulated

Section 15. Regulatory Information

SARA 311/312 Hazardous Chemical: Triethylene Glycol (TEG) CAS#112-27-6 - 500 lbs Threshold Planning Quantity. Hazardous Chemical: Propylene Glycol CAS#57-55-6 - 500 lbs Threshold Planning Quantity.

New Jersey Right to Know Propylene Glycol - CAS #57-55-6.

Massachusetts Right to Know Propylene Glycol - CAS #57-55-6.

Pennsylvania Right to Know Triethylene Glycol - CAS# 112-27-6.

California Prop 65 WARNING: This product contains chemical(s) known to the State of California to cause cancer. Triethylene Glycol - CAS# 112-27-6.

Section 16. Other Information

Revision Date 10/2/2020

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