

Fog Fluid for Fog Maching
RadioShack 42-3058

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*This is sheet
for fog machine
fluid that will be
used in keep tunnel.*

Antari

Fog from A to Z

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*mm
BUT*

Material Safety Data Sheet

EFFECTIVE DATE: 02/01/97

Faxback Doc. # :

Antari urges each customer or recipient of this MSDS to study it carefully to become aware of and understand hazards associated with the product. The reader should consider consulting reference works or individuals w experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to use and understand the contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify it's employees, agents, contractors a whom it knows or believes will use this material of the information in this MSDS and any other information re hazards or safety; (2) furnish this same information to each of it's customers for the products; and (3) request customers to notify their employees, customers, and other users of the product of this information.

I. IDENTIFICATION

PRODUCT NAME: "FLG" "FLR" Fog Liquid (Formulas contain different percentages of the CAS#s and a hi percentage of water)

BASIC FORMULA: Food grade or high purity grade propylene glycol or glycerol or di- or tri-ethylene gly ionized water

These products are all "water-based" glycol solutions. As such, toxicity is minimal. These products have been internationally for more than 5 years under the Antari name, and are considered "non-hazardous" by most na and safety regulatory bodies.

Current Formula for fog liquids: Distilled water
Poly-Glycols as above

II. PHYSICAL DATA

CAS# 57-55-8 and 112-27-8

BOILING POINT (760 mm Hg)	212-470 F
MELTING POINT	Not applicable
SPECIFIC GRAVITY (H ₂ O=1)	1.052 AT 20° C
VAPOR PRESSURE AT 20° C	<.025mm Hg
VAPOR DENSITY (air=1)	3.9
SOLUBILITY IN WATER	Complete @ 70 F
EVAPORATION RATE (Butyl Acetate=1)	.003
APPEARANCE AND ODOR	Pale green, pale pink, mild odor

III. INGREDIENTS

This product is a mixture of very low toxicity ingredients which are of high purity or food grade. According to product is non-hazardous under (1910.1200). The largest single component of this product is de-ionized water.

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IV. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT

No flash point by Cleveland Open Cup and Penskey-Marlin C
due to the fact that this is primarily a water based formula

AUTOIGNITION TEMP

Not Determined

FLAMMABLE LIMITS IN AIR % BY VOLUME

Not Determined

EXTINGUISHING MEDIA

Water spray or all purpose foams by manufacturers
recommended techniques for large fires. Use CO₂ or dry che-
media for small fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

V. HEALTH HAZARD DATA

TLV AND SOURCE: Occupational exposure limits (PELs or TLVs) have not been established for any of the ci
of this product in the United States. In England, exposure limits for propylene glycol are: Vapor - 470mg/m3 1
weighted average, Particulate - 10mg/m3 8 hour time weighted average.

EFFECTS OF SINGLE OVEREXPOSURE:

SWALLOWING: No evidence of adverse effect for low dose. May cause nausea and vomiting in higher dosag

INHALATION: No evidence of adverse effects from exposure to recommended levels. Should continuous exp
high concentrations of fog be required professionally (i.e. fire training), a canister type particle mask designed
20 micron filtration should be used

SKIN CONTACT: May cause minimal irritation of areas exposed to liquid.

EYE CONTACT: If splashed in eyes, may cause minimal irritation seen as slight excess redness of the conjur

EFFECTS OF REPEATED OVEREXPOSURE: No evidence of adverse effects from available information.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: A knowledge of the available toxicology info
and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravat
medical conditions.

EYES: Flush with water.

NOTES TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the c
condition.

VI. REACTIVITY DATA

This material is known to be stable and does not react violently with any of the following: Air, Water, Heat. St
Oxidizers.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Burning under certain conditions can pr
aldehydes, ketones, carbon dioxide and / or carbon monoxide.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

CONDITIONS TO AVOID: None

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Small spills should be flushed with large
of water. Larger spills should be collected for disposal.

WASTE DISPOSAL METHOD: Dispose as permitted under appropriate Federal and State regulations.

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VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (specify type): None required under normal conditions of use. For repeat usage, see V (inhalation)

VENTILATION: General (mechanical) room ventilation

PROTECTIVE GLOVES: Rubber or polyvinyl chloride coated.

EYE PROTECTION: Protect eyes from liquid with safety glasses

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Normal precautions common to good maintenance practice should be followed in handling and storage. Avoid repeated contact with skin and clothing. This product is intended for professional use only and should be kept out of the reach of children.

X. REGULATORY INFORMATION

The criteria for listing components in the composition section is as follows:

Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; non-hazardous components are listed at 3.0% or greater.

Product and/or Component(s) Carcinogenic According to:

OSHA	IARC	NTP	OTHER	NONE
_____	_____	_____	_____	<u> X </u>

PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200)

Federal Regulations:

SARA Title III:

Section 302/304 Extremely Hazardous Substances

Seq. Chemical Name CAS Number Range in %

None

Section 311 Hazardous Categorization:

Acute	Chronic	Fire	Pressure	Reactive	N/A
_____	_____	_____	_____	_____	<u> X </u>

Section 313 Toxic Chemicals

Chemical Name CAS Number Concentration

None

CERCLA 102 (a) / DOT Hazardous Substances: (+ indicates DOT Hazardous Substance)

Seq. Chemical Name CAS Number Range in %

None

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CERCLA / DOT Hazardous Substances (Sequence Numbers and RQ's):

pg.

Seq. RQ

None

TSCA Inventory Status:

This product is listed on the Toxic Substance Control Act (TSCA) Chemical Substance Inventory

State Regulations:

California Proposition 65: The following detectable components of this product are substances, or belong to chemicals, known to the State of California to cause cancer and/or reproductive toxicity.

Chemical Name CAS Number

None

States Right-to-know Regulations:

Chemical State Right to know

CAS # 57-55-8, 112-27-6

PA, RI

State list: CT (Connecticut) FL (Florida) IL (Illinois) MI (Michigan) LA (Louisiana) MA (Massachusetts) NJ (New Jersey) PA (Pennsylvania) RI (Rhode Island)

International Regulations: WHMIS Classification: Not Regulated

Canada Inventory Status: All components are listed on the Canadian Domestic Substance List (DSL).

EINECS Inventory Status: All components are listed on the European Inventory of Existing Chemical Substances (EINECS).

Australia Inventory Status: All components are listed on the Australian Inventory of Chemical Substances (AICIS).

Japan Inventory Status: All components are listed on the Japanese MITI Inventory.

NOTE:

The opinions expressed herein are those of qualified experts within the field of Toxicology, Chemistry, and Information Specialists. These include results of independent scientific studies and Toxicology reports. We believe that the information contained herein is current as of the date of the Material Safety Sheet. Since the use of the product and of these opinions and the conditions of the use of the product are not within the control of RadioShack, we have no obligation to determine the conditions of safe use of the product.