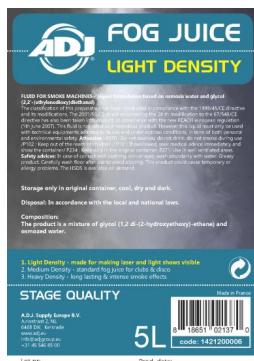
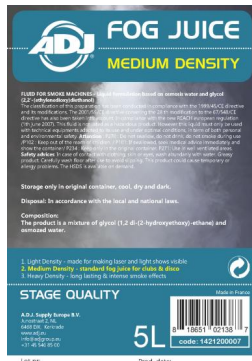




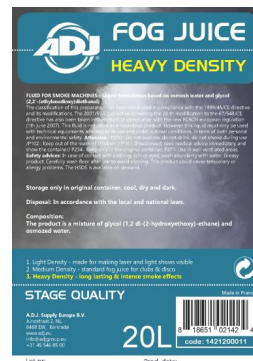
TECHNICAL DATA SHEET



FOG JUICE 1



FOG JUICE 2



FOG JUICE 3

GENERAL INFORMATIONS

These liquids are intended:

- to create synthetic atmospheric effects with suitable smoke generators, equipped with electrical and electronic safety devices
- to be used in public environment, and more generally in stage events, entertainment, concerts, Tv show , leisure clubs, theaters, attractions parks , fairground rides, training in fire safety exercises , etc...

These liquids have variable viscosity depending on fluid density and have translucent aspect to slightly cloudy.

Its smell is characteristic

Raw materials are not listed in the list of European limit values.

Important information's:

Does not contain a restricted substance according to REACH Annex XVII
Does not contain any substances from the REACH candidate list
Contains no substances listed in Annex XIV of REACH

The product is not flammable.

This information is based on our knowledge and current experience and applies when the product is used as intended and as supplied.

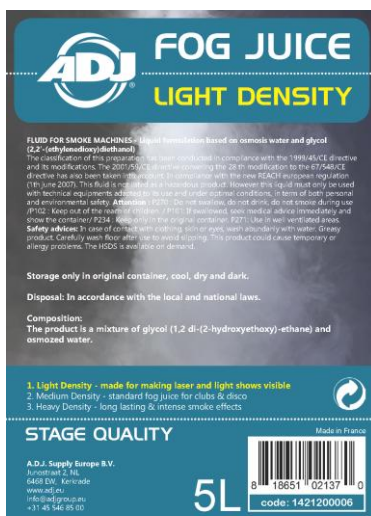
This document is intended to describe our product in terms of safety & quality requirements and not to be used as a guarantee of the specific properties of the product

HOW TO USE IT

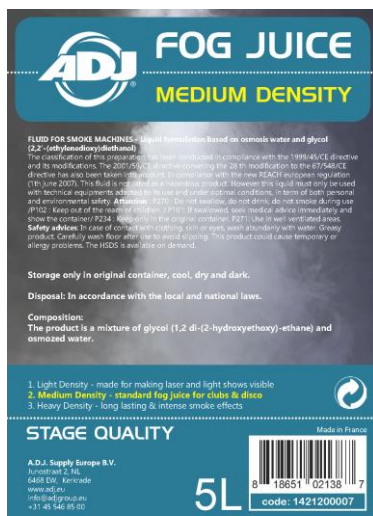
These smoke fluids are formulated from ultra-pure water and various glycolic derivatives products

They have to be used with smoke generators equipped with a heating block system allowing nebulization of the smoke fluid and thus molecular bursting.

They are compatible with most smoke machines on the international market



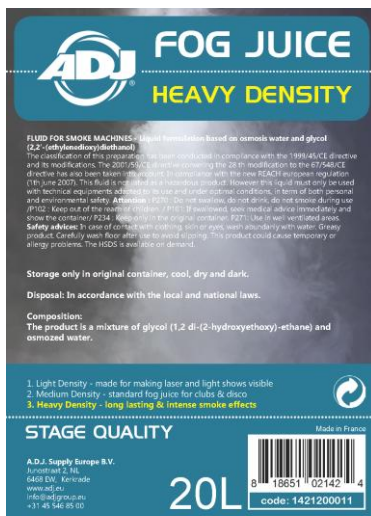
PRODUCT DESCRIPTION & TECHNICAL INFORMATIONS							
Reference	1421200006						
Product	FOG JUICE 1						
Fluid type	Professional Fog Liquid						
Dispersion	FAST						SLOW
Level Density	LIGHT						DENSE
Stability	LOW						HIGH
Fluid Colour	Colorless						
Smoke Colour	White						
Smoke Description	Fine & homogeneous						
Smell Liquid & Smoke	Neutral						
Smoke Generators - Power Minimum	From 600/800/1000 W						
Machine Technology	Generator with Heater Block						
Effect particle size	1 - 1,5 µm						
Refractive index	+/- 1,4						
Estimated Lifetimes							
Can closed & stored in masterbox	Lifetime estimated : 3 years						
Can closed & stored outside masterbox	Lifetime estimated : 2 years						
Can opened & stored outside masterbox	Lifetime estimated : 1 year						
Regulations	EC Regulation n° 453/2010 EC Regulation n° 1272/2008 Directive 67/548/EEC						
Customs Code	29053100						
Transport	Standard / not classified						



Lot nr:

Prod. date:

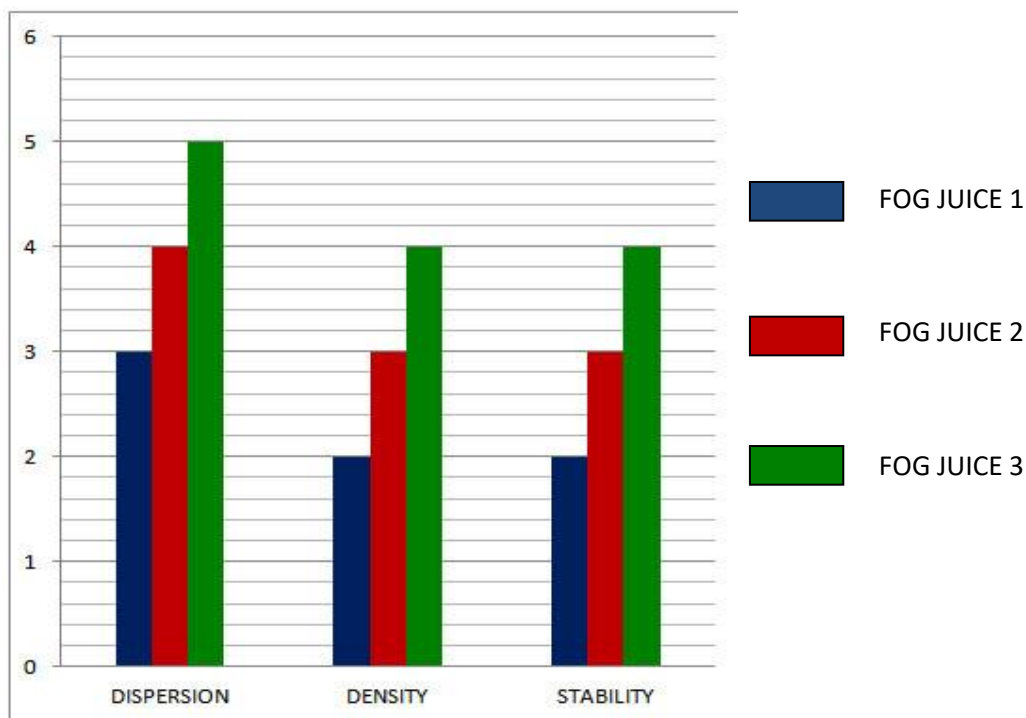
PRODUCT DESCRIPTION & TECHNICAL INFORMATIONS						
Reference	1421200007					
Product	FOG JUICE 2					
Fluid type	Professional Fog Liquid					
Dispersion	FAST					SLOW
Level Density	LIGHT					DENSE
Stability	LOW					HIGH
Fluid Colour	Colorless					
Smoke Colour	Deep White , Quite dense , Rather opaque					
Smoke Description	Fine & homogeneous & Long Lasting					
Smell Liquid & Smoke	Neutral					
Smoke Generators - Power Minimum	From 1000/1200/1500 W					
Machine Technology	Generator with Heater Block					
Effect particle size	1 - 1,5 µm					
Refractive index	+/- 1,4					
Estimated Lifetimes						
Can closed & stored in masterbox	Lifetime estimated : 3 years					
Can closed & stored outside masterbox	Lifetime estimated : 2 years					
Can opened & stored outside masterbox	Lifetime estimated : 1 year					
Regulations	EC Regulation n° 453/2010 EC Regulation n° 1272/2008 Directive 67/548/EEC					
Customs Code	29053100					
Transport	Standard / not classified					



PRODUCT DESCRIPTION & TECHNICAL INFORMATIONS						
Reference	1421200011					
Product	FOG JUICE 3					
Fluid type	Professional Fog Liquid					
Dispersion	FAST					SLOW
Level Density	LIGHT					DENSE
Stability	LOW					HIGH
Fluid Colour	Colorless					
Smoke Colour	Deep White , Very high density , Quite opaque					
Smoke Description	Fine & homogeneous & Long Life					
Smell Liquid & Smoke	Neutral					
Smoke Generators - Power Minimum	From 1500/2000/3000 W					
Machine Technology	Generator with Heater Block					
Effect particle size	1 - 1,5 µm					
Refractive index	+/- 1,4					
Estimated Lifetimes						
Can closed & stored in masterbox	Lifetime estimated : 3 years					
Can closed & stored outside masterbox	Lifetime estimated : 2 years					
Can opened & stored outside masterbox	Lifetime estimated : 1 year					
Regulations	EC Regulation n° 453/2010 EC Regulation n° 1272/2008 Directive 67/548/EEC					
Customs Code	29053100					
Transport	Standard / not classified					



SCHEMATIC BEHAVIOR OF THE ADJ - FOG JUICE



PRECAUTIONS OF USE & RECOMMENDATIONS

No workplace-specific precautions are required for handling the product.

Anyway, it is recommended that dermatologically vulnerable persons, asthmatics and allergy sufferers should not remain in the area of propagation of the effect.

Keep out of reach of children.

How to use Smoke & Fog fluids :

Professional smoke fluid for the creation of short-term, artificial fog and show effects in the event industry, theater and film production.

Taking into account the visibility and the desired effect, the smoke fluid concentration in the air between 25 and max. 80 mg/m³.

In particular, the smoke density must be dosed in such a way that exits and emergency exits are always visible in closed rooms.

The same applies to the lighting of escape routes, their markings, stairways, shafts, fall edges, etc. Visibility of several meters must be observed.

Only use in well-ventilated areas.

In order to avoid anxiety, fogged rooms must never be closed.



LIQUID / MACHINE COMPATIBILITY : AN ESSENTIAL REQUIREMENT

The combination of fog fluid type and machine power is one of the most crucial elements for ensuring:

- the quality of the fog diffusion,
- the longevity of the equipment,
- operational safety.

This parameter is too often overlooked, even though it is the cause of most premature failures in fog machines.

Fundamental Concepts

Every fog machine operates on a controlled heating principle: the fluid is pumped into a heating chamber, which is brought to a high temperature (often between 250°C and 400°C), where it is instantly vaporized and then expelled through a nozzle.

However, the correct vaporization process depends closely on two elements:

- The composition and viscosity of the liquid used
- The heating power of the machine (expressed in watts)

Risks associated with improper matching

A) Liquid too dense for the machine

When you use a liquid that is too concentrated (long-lasting or high-density liquid) in a low-power machine (often <1000 W):

- The heating temperature is insufficient to completely vaporize the liquid
- Some of the fluid remains in the liquid phase, which causes:
 - ==> Internal deposits in the heating coil
 - ==> Gradual clogging of the nozzle
 - ==> Leaks or backflow of liquid in the circuit

Consequence : This can lead to irreversible failure of the heating unit

B) Using too light a liquid in a powerful machine

Conversely, using a "light" liquid in a very powerful machine:

- Produces barely visible smoke despite high consumption
- Can generate humid vapor that dissipates too quickly
- Can damage the flow sensor (on advanced models)

Compatibility criteria to respect

To guarantee optimal operation, several parameters must be considered:

- 1 : Machine power
- 2 : Recommended liquid type
- 3 : Intended use



Professional Recommendations

- Always check the recommendations of both the machine and fluid manufacturer.
- Use certified brand fluids with clear technical data sheets.
- Never mix two different fluids.
- If in doubt, perform a low-flow test and observe the color, density, and any deposits.
- Plan for more frequent maintenance if a dense fluid is used in a machine operating at its capacity limit.

Warning Signs of Incompatibility

Here are the telltale signs of a fluid unsuitable for the machine:

- Damp or very white smoke at the beginning of the cycle
- Unusual noise in the heating chamber
- Acrid odor or viscous deposit at the nozzle
- Smoke that "spits" instead of being expelled regularly

Preventive Maintenance if in doubt

- Regular rinsing with cleaning fluid
- Check the output flow rate before each event
- Visually inspect the nozzle and coil after 10-15 hours of use

Conclusion

Compatibility between the liquid and the machine's power is not optional.

It is a prerequisite for guaranteeing the quality of the effects, preserving the equipment's integrity, and ensuring its safe operation.

STORAGE

Sensitivity of SFX Smoke Fluids to Temperature Variations

SFX (special effects) smoke fluids are highly sensitive to temperature conditions, both during storage and use. Their effectiveness and stability depend directly on maintaining their optimal physical state.

Low Temperatures (Risk of Freezing)

- Most SFX fluids contain demineralized water. Below 5°C, partial crystallization may occur.
- Below 0°C, liquids can freeze completely, leading to:
 - ==> Separation of components,
 - ==> Loss of liquid homogeneity,
 - ==> Reduced diffusion performance,
- Risk of internal damage if used without prior homogenization



High Temperatures (> 30°C)

- At high temperatures, the liquid can:

- ==> Partially evaporate (loss of efficiency)
- ==> Undergo chemical alteration (slow oxidation)
- ==> Lose viscosity, altering vaporization behavior
- ==> Risk of container deformation (internal pressure due to gaseous evaporation)

Consequences of Improper Storage

- Reduced visual performance
- Deposits in the machine (unvaporized residue)
- Clogging of the nozzle or coil

Storage Recommendations

- Ideal temperature: between 06°C and 30°C
- Protect from frost, direct sunlight, and Heat sources
- Store indoors, in a dry, well-ventilated area, away from moisture
- Always tightly close the container after use
- Never store near chemicals or combustibles

Keep containers in their original sealed packaging to protect the liquids from light.

For 20L containers not in sealed packaging, it is recommended to store them in a dark place. (Daylight and/or sunlight promote liquid deterioration and bacterial growth.)

Conclusion:

Adhering to the storage conditions for SFX liquids is essential to guarantee their performance, preserve the lifespan of the machines, and ensure their safe operation.

SMOKE LIQUIDS & CHARACTERISTICS

Generally, it is preferable to store liquids in a frost-free zone.

- Estimated evaporation rate: around 0.003
- Effect particle size = 1-1.5 µm

The refractive index is about 1.4 and is close to mineral oil

ELIMINATION

Disposal Guidelines – For removal Smoke Fluids:

For all chemically based liquids, we strongly recommend checking the local environmental regulations applicable in the country of use before disposal.

However, as our fluids are not classified as hazardous substances, they may be disposed of using standard wastewater treatment systems, in compliance with local norms.

Note: All our containers are 100% recyclable, manufactured from HDPE (High-Density Polyethylene) of food-grade quality, and are UN Y 1.9 certified in accordance with European transport and packaging regulations.

REGULATION

These liquids have a Safety Data Sheet established according to Regulation (EU) 2015/830.

For the drafting of this one, all following regulations have been taken into account:

- EC Regulation No. 453/2010
- Classification according to Regulation (EC) No 1272/2008 (CLP)
- Classification according to Directive 67/548 / EEC (DSD) or 1999/45 / EC (DPD)
- REACH Regulation. 1907/2006 / EC