

HELIUM BUBBLE GENERATOR SYSTEMS

SAI 1035 Bubble Film Solution

The proprietary soap-film formula behind Sage Action's helium bubble generators — engineered to make invisible airflow visible, one neutrally buoyant bubble at a time.

- NON-TOXIC
- WATER & GLYCERIN BASED
- MADE FOR MODEL 5 CONSOLE
- IN STOCK — SHIPS IN 24 HRS

SAI 1035 Bubble Film Solution is a unique-formula soap solution purpose-built for helium bubble generators. It produces large quantities of small, uniform bubbles — 1–4 mm in diameter with a film wall only about 1 micron thick — that carry just enough helium to become neutrally buoyant. That means each bubble locks onto the surrounding airstream and follows it precisely, giving engineers and researchers a way to literally watch airflow that would otherwise be invisible. It is the solution the Model 5 Console is designed and calibrated around.

1–4 mm BUBBLE DIAMETER	~1 micron FILM WALL THICKNESS	300–400/sec BUBBLES PER OUTPUT*	1–2+ min VISIBLE FLIGHT TIME
---------------------------	----------------------------------	------------------------------------	---------------------------------

Why Engineers Choose SAI 1035

A formulation engineered specifically for airflow visualization — not a general-purpose bubble solution.



Precision Streamline Tracing

Neutrally buoyant bubbles lock onto airstreams with more precision than smoke, yarn tufts, or vapor — even through rotating fans and airflow at speeds to 60 m/s.



Extended Bubble Life

A specialized plasticizer keeps bubbles intact for 1–2+ minutes — long enough to trace complex, slow-developing flow patterns in full.



High-Volume Output

Formulated to sustain 300–400 bubbles per second, per output, on the Model 5 Console — dense enough to visualize flow fields in real time.



Non-Toxic & Safe to Run

A water- and glycerin-based formulation that's non-toxic and not classified as a flammable liquid — comfortable to operate in labs, cleanrooms, and shared workspaces.



Effortless Cleanup

Residue wipes away with a damp microfiber cloth, and excess solution can be flushed with cold water — no special handling equipment needed.



Dependable Shelf Life

Rated for a full year at room temperature, so labs and test facilities can stock up without worrying about performance drift.

Trusted Across Industries

Wherever teams need to see airflow instead of guessing at it.

- Automotive & Aerospace
- HVAC & Building Systems
- Electronics & Consumer Products
- Industrial Processes
- Cleanrooms & Specialized Research
- Academic & Government Labs

Specifications

Physical form	Clear, colorless to pale liquid
Bubble diameter	1–4 mm
Film wall thickness	≈ 1 micron
Bubble output	300–400/sec per Model 5 Console output
Typical consumption	~946 mL per 8 hrs (double-output console)
Shelf life	1 year at room temperature
Flammability	Not classified as a flammable liquid
Filter compatibility	Reusable via Mini-Vortex Filter

Ordering Information

946 mL (1 qt) Standard bottle	\$90.00
1 Gallon High-volume / multi-console use	\$291.00

In stock — ships within 24 hours. Pricing shown as of publish date; contact Sage Action for current pricing and volume quotes.

Built on a safety-first formulation. SAI 1035 is water- and glycerin-based and is not classified as a flammable liquid. A full Safety Data Sheet (GHS-format) is available on request for lab safety review, procurement, and EH&S documentation.

Ready to see the unseen in your airflow?