



# AF-4

## ANTI-FOAM AND SURFACE FLOW AGENT



**FEATURES:**

- ✓ Expedites the rapid de-airing of most urethanes
- ✓ Works exceptionally well in the water clear aliphatic urethanes

Anti-foam AF-4 is a "surface tension reducing" agent recommended as an additive for urethane elastomer systems. Its purpose is to assist in the vacuum degassing procedure (deaeration), by reducing the surface tension of entrained air bubbles in the resin mixture. Also, it assists in better resin flow and wet out in molds.

Basically, the term anti-foam refers to the elimination or more rapid reduction of foaming action during the vacuum de-gassing process. Antifoam AF-4 is completely silicone free and does not affect the color, appearance or bond ability of cured urethane parts.

**USAGE:**

Generally, anti-foams will work with all types of two component polyurethane elastomers and with some low viscosity epoxy systems. BJB has designed two other Antifoam products, AF-5 specifically used for our epoxy systems and AF-7 used with our WC (Water Clear) systems. Elastomers with high viscosity, 5,000 - 8,000 cps, often require more anti-foam than systems of lower viscosity. Based on a 4,500 cps system, about 1/8 oz. (4 - 7 grams) of AF-4 should be added to a 10 lb. mass. For smaller volume masses, an eyedropper dispensing 3 to 5 drops is usually sufficient for a 1 lb. mass. Best results are obtained by adding anti-foam during the mixing process just before vacuum degassing.

**STORAGE:**

Store ambient temperatures, 65-80°F (18-27°C). Unopened containers will have a shelf life of 12 months from date of shipment when properly stored at recommended temperatures. Purge opened containers with dry nitrogen before re-sealing.

PACKAGING	WEIGHT
Ounces	4 oz
Pints	0.9 lb.
Quarts	1.8 lbs.
Gallons	7 lbs.
5-Gallons	35 lbs.
55-Gallon Drums	375 lbs.

**SAFETY PRECAUTIONS:**

Use in a well-ventilated area. Avoid contact with skin using protective gloves and protective clothing. Repeated or prolonged contact on the skin may cause an allergic reaction. Eye protection is extremely important. Always use approved safety glasses or goggles when handling this product.

NON-WARRANTY "Except for a warranty that materials substantially comply with the data presented in Manufacturer's latest bulletin describing the product (the basis for this substantial compliance is to be determined by the standard quality control tests generally performed by Manufacturer), all materials are sold "AS IS" and without any warranty express or implied as to merchantability, fitness for a particular purpose, patent, trademark or copyright infringement, or as to any other matter. In no event shall Manufacturer's liability for damages exceed Manufacturer's sale price of the particular quantity with respect to which damages are claimed."

**IF CONTACT OCCURS:**

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. It is *not* recommended to remove resin from skin with solvents. Solvents only increase contact and dry skin. Seek qualified medical attention if allergic reactions occur.

**Eyes:** Immediately flush with water for at least 15 minutes. Call a physician.

**Ingestion:** If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

**⚠WARNING:** This product can expose you to chemicals including Naphthalene, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**NOTE:**

**Refer to the Safety Data Sheet before using this product. For processing tips and guides, please visit: [learn.bjbmaterials.com](http://learn.bjbmaterials.com) to discover additional information.**