



## ADVASTAB™ TM-181 FS Thermal Stabilizer

### Description

ADVASTAB TM-181 FS thermal stabilizer is a high efficiency liquid methyltin mercaptide designed to stabilize rigid vinyl and rigid vinyl copolymers used for food packaging. ADVASTAB TM-181 FS stabilizer provides good early color as well as excellent dynamic processing stability. Its good residual stability also allows for the efficient use of regrind. This stabilizer has proven to be 20% to 30% more effective when compared to octyltin mercaptide stabilizers in clear rigid vinyl bottle and film formulations. ADVASTAB TM-181 FS stabilizer is suitable for food packaging applications worldwide.

### Typical Physical Properties

These properties are typical but should not be considered specifications.

Form	Clear liquid
Viscosity, CS, @ 25°C	50
Brookfield Viscosity #2 Spindle @ 23°C	85 cps
Specific Gravity @ 25°C	1.17
Refractive Index	1.509 ± 0.002
% Tin	19.0 min.
% Sulfur	12.0 ± 0.5
% Trimethyltin Compounds	< 0.1
Acid Value	3.0 maximum
Color (% Transmission @ 440 nm)	80 minimum

### Standard Packaging

- 227 kgs (500 lbs) net weight drums
- Non-returnable totes

### Applications and Features

- Excellent stabilizer for clear rigid vinyl and vinyl copolymer blow molding formulations designed for food contact
- Provides excellent clarity and good early color stability
- Very effective stabilizer for injection molding of pipe fittings and other high quality parts intended for potable water uses
- Excellent for calendered and extruded vinyl sheet for food contact applications
- Suitable for food packaging applications as defined by the US FDA, BgVV (Germany) and Europe's 90/128 EEC Directive with limitations
- Allows for efficient use of regrind

### Storage

Store in cool, dry area. Indoor storage is recommended. Stainless steel is recommended for piping, valves, and pumps used to handle ADVASTAB TM-181 FS stabilizer. No wetted parts of the stabilizer handling and dispensing system should be made from iron, brass, copper, or bronze.

### Handling

ADVASTAB TM-181 FS stabilizer is a liquid tin mercaptide thermal stabilizer and should be handled with normal precautions used in good industrial practices for organic liquids. See Material Safety Data Sheet for safety and health information.

## Material Safety Data Sheets

Material Safety Data Sheets are available outlining hazards and safe handling methods. Contact Dow for copies of the MSDS for this product and for other handling information.

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