

# FASCAT® DBTO Catalyst

## Dibutyltin Oxide

**CAS Registry Number:** 818-08-6

### Description

FASCAT DBTO catalyst, dibutyltin oxide, is an amorphous white solid. This product is available in 44 lb (20kg) pails and 220 lb (100kg) drums. Bulk packaging is available on request.

### Applications

DBTO catalyst finds widespread use in the aqueous cathodic electrodeposition of urethane coatings for automotive and industrial applications. It is an active transesterification catalyst for methacrylate esters that are used in the water treatment market. DBTO catalyst is used in select high temperature transesterification reactions for the production of coating resins and can be used in the coatings industry for the preparation of alkyd resins.

### Product Specifications

Properties	Specifications
Formula	Bu <sub>2</sub> SnO
% Sn	47.7
Molecular Weight	248.9
Melting Point	Decomposes without Melting
Specific Gravity (@25°C)	1.61

### Solubility

Insoluble in water and most organic solvents. May be brought into solution by reaction with carboxylic acids, alcohols, and esters.

### Benefits

DBTO catalyst forms a stable dispersion for aqueous coating applications, can significantly shorten transesterification production cycle times for specialty acrylate monomers, and offers energy savings due to lower reaction temperatures, as well as more efficient use of equipment.

### FDA Standards

FASCAT 9201 catalyst is the FDA grade of DBTO catalyst that satisfies 21 CFR 175.300, 21 CFR 177.2420, and 21 CFR 175.105.

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