

FASCAT® 8201 Catalyst

Diocetyl tin Oxide

CAS Registry Number: 870-08-6

Description

FASCAT 8201 catalyst, dioctyltin oxide, is an amorphous white solid.

Applications

FASCAT 8201 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. FASCAT 8201 catalyst is used in select high temperature transesterification reactions for the production of coating resins and specialty monomeric esters.

Product Specifications

Properties	Typical	Specification
Formula	Oc ₂ SnO	
% Sn	32.7	32.0 (min.)
Molecular Weight	361.1	
% DOTC Content		94.0 (min.)
% NaCl		0.1 (max.)
% Volatiles		1.0 (max.)
Appearance	White Powder	
Melting Point	Decomposes without Melting	
Specific Gravity	1.30	

Solubility

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

Storage Stability

When stored in unopened original containers under conditions recommended in our safety data sheets, shelf life is at least two years.

Benefits

FASCAT 8201 catalyst forms a stable dispersion for aqueous coatings applications and can significantly shorten transesterification production cycle times for specialty acrylate monomers. FASCAT 8201 catalyst provides energy savings with lower reaction temperatures when compared to uncatalyzed systems.

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