

FASCAT[®] 4100 CATALYST

PRODUCT INFORMATION

DESCRIPTION

Arkema Inc. FASCAT 4100 catalyst, butylstannoic acid [CAS #2273-43-0], is an amorphous white solid with the following properties:



PRODUCT FEATURES

FASCAT 4100 catalyst is a solid, hydrolytically stable catalyst that is active at low loadings.

FASCAT 4100 catalyst is used primarily to catalyze esterification and polycondensation reactions at temperatures between 210 and 240°C.

FASCAT 4100 catalyst begins to solubilize in carboxylic acid at 80°C during the reaction and becomes incorporated into the final product without affecting the quality of the product.

FASCAT 4100 catalyst can be used at temperatures up to 250°C

FASCAT 4100 catalyst is neutral and non-corrosive.

BENEFITS

FASCAT 4100 catalyst can significantly shorten esterification times when compared to uncatalyzed systems, and provide energy savings with lower reaction temperatures.

FASCAT 4100 catalyst minimizes side reactions such as dehydration and oxidative degradation of

TYPICAL PROPERTIES

Formula	BuSnOOH
% Sn	56.8
Molecular Weight	208.8
Specific Gravity (@ 25 °C)	1.46
Melting Point (°C)	Decomposes without melting.
Solubility	Insoluble in water and most organics; dissolves in strong alkaline and mineral acid solutions.

polyhydric alcohols, especially secondary alcohols.

FASCAT 4100 catalyst can be charged up front with other reactants and requires no special handling other than avoiding excessive exposure to moisture.

FASCAT 4100 catalyst does not require neutralization or filtration at the end of production.

FDA STANDARDS

FASCAT 9100 catalyst is the FDA grade of FASCAT 4100 that is cleared under 21 CFR 175.300, 21CFR 175.380, 21 CFR 175.390, 21 CFR 176.170, 21 CFR 177.1210, 21 CFR 177.2420 and 21 CFR 175.105.

Please consult the regulations for detailed application information.

RECOMMENDED USES

FASCAT 4100 catalyst is used in the synthesis of saturated polyester resins for powder coatings and coil coatings.

FASCAT 4100 catalyst is used in the production of unsaturated polyester resins for gel-coat, sheet molding, and cast molding applications.

FASCAT 4100 catalyst is used to produce polymeric plasticizers.

PACKAGING

FASCAT 4100 catalyst is available in 44 lb (20 kg) pails and 220 lb (100 kg) drums.

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