

FASCAT[®] 4201 CATALYST

PRODUCT INFORMATION

DESCRIPTION

Arkema Inc. FASCAT 4201 catalyst, dibutyltin oxide [CAS #818-08-6], is an amorphous white solid with the following properties:



TYPICAL PROPERTIES

Formula	Bu ₂ SnO
% Sn	47.7
Molecular Weight	248.9
Melting Point (°C)	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.

PRODUCT FEATURES

FASCAT 4201 catalyst is a solid catalyst that is thermally and hydrolytically stable.

FASCAT 4201 catalyst is widely used in low temperature transesterification reactions as well as urethane crosslinking reactions.

FASCAT 4201 catalyst becomes incorporated into the final cured urethane coating without affecting the appearance and final properties.

FASCAT 4201 catalyst is neutral and non-corrosive.

BENEFITS

FASCAT 4201 catalyst forms a stable dispersion for aqueous coating applications.

FASCAT 4201 catalyst can significantly shorten transesterification production cycle times for specialty acrylate monomers.

FASCAT 4201 catalyst provides energy savings with lower reaction temperatures when compared to uncatalyzed systems.

FDA STANDARDS

FASCAT 4201 catalyst is the FDA grade of FASCAT 4201 catalyst that is cleared for use under 21 CFR 175.300, 21 CFR 177.2420, 21 CFR 175.380, 21 CFR 175.390, 21 CFR 176.170, 21 CFR 177.1210 and 21 CFR 175.105.

Please consult the regulations for detailed application information.

RECOMMENDED USES

FASCAT 4201 catalyst finds widespread use in the aqueous cathodic electrodeposition of urethane coatings for automotive and industrial applications.

FASCAT 4201 catalyst is an active transesterification catalyst for methacrylate esters that are used in the water treatment market.

FASCAT 4201 catalyst is used in select high temperature transesterification reactions for the production of coating resins.

PACKAGING

FASCAT 4201 catalyst is available in 44 lb (20 kg) pails and 220 lb (100

kg) drums. Bulk packaging is available on request.

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