

FASCAT[®] 4102 CATALYST

PRODUCT INFORMATION

DESCRIPTION

Arkema Inc. FASCAT 4102 catalyst, butyltin tris-2-ethylhexanoate [CAS #23850-94-4] is a pale yellow liquid with the following properties:



PRODUCT FEATURES

FASCAT 4102 catalyst is a hydrolytically stable liquid catalyst.

FASCAT 4102 catalyst is used primarily to catalyze esterification and polycondensation reactions at temperatures between 210 and 240°C.

FASCAT 4102 catalyst does not require removal and becomes incorporated into the final product without affecting the quality of the product.

FASCAT 4102 catalyst can be used at temperatures up to 250°C.

FASCAT 4102 catalyst is neutral and non-corrosive.

BENEFITS

Fascat 4102 catalyst can significantly shorten esterification cycle times compared to uncatalyzed systems.

FASCAT 4102 catalyst minimizes side reactions such as ether formation from polyhydric alcohols.

FASCAT 4102 catalyst is easily handled and readily dispersed in reaction mixtures.

TYPICAL PROPERTIES

Formula	BuSn(OOC ₈ H ₁₅) ₃
% Sn	19.6
Molecular Weight	605.0
Density (@ 25°C) g/cm ³	1.13
Pour Point (°C)	-18
Solubility	Soluble in most organic solvents. Insoluble in water.

FASCAT 4102 catalyst can be charged up front with other reactants and requires no special handling other than avoiding excessive exposure to moisture.

FASCAT 4102 catalyst does not require neutralization or filtration at the end of production.

FDA STANDARDS

FASCAT 9102 catalyst is the FDA grade of FASCAT 4102 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 4102 catalyst is used in the synthesis of saturated polyester resins for powder coatings and coil coatings.

FASCAT 4102 catalyst is used in the production of aromatic polyester polyols for flexible and rigid PU foam applications.

FASCAT 4102/9102 catalyst is used in ring opening polymerization for polymer production.

PACKAGING

FASCAT 4102 catalyst is available in 44 lb (20 kg) pails and 440 lb (200 kg) drums.

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