

# PowerCat™ DBTDL

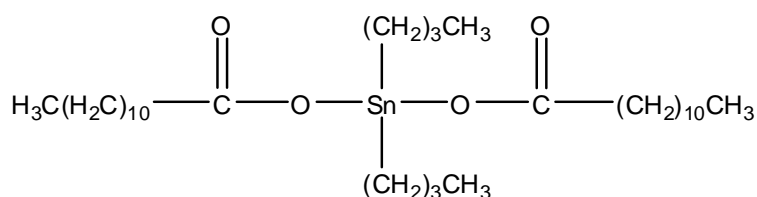
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## CHEMICAL NAME

Dibutyltin Dilaurate

## CHEMICAL STRUCTURE



## INTRODUCTION

PowerCat™ DBTDL is yellow amber, oily liquid. It is insoluble in water and most common organic solvents.

PowerCat™ DBTDL catalyst is a versatile catalyst that can be used in various urethane cross-linking reactions and silanol condensation reactions. It drives the addition of alcohols with isocyanates to accelerate and complete the formation of urethanes. PowerCat™ DBTDL catalyst is stable to hydrolysis but will hydrolyze in the presence of aqueous caustic at room temperature. PowerCat™ DBTDL catalyst is incorporated into the final product and does not require removal. It is a liquid catalyst for ease of processing.

## PHYSICAL PROPERTIES

|                   |   |
|-------------------|---|
| CAS No.           | 77-58-7   |
| EC No.            | 201-039-8   |
| Formula           | Bu <sub>2</sub> Sn(OOC <sub>12</sub> H <sub>23</sub> ) <sub>2</sub> |
| Molecular Weight  | 631.51  |
| Sn %              | 18.2~19   |
| Melting Point(°C) | -10   |
| Volatile Loss(%)  | Max.0.3%  |

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|                          |                           |
|--------------------------|---------------------------|
| Boiling Point:           | Decomposes before Boiling |
| Specific Gravity (@25°C) | 1.05                      |

## APPLICATIONS

PowerCat™ DBTDL catalyst can be used to cross-link two-component urethane coating systems for the automotive, industrial, and refinish coatings;

PowerCat™ DBTDL catalyst can be to cross-link RTV silicone systems for the caulk and sealants markets;

PowerCat™ DBTDL catalyst can be, to cross-link polyethylene/silane co-polymer systems for the wire and cable industry.

PowerCat™ DBTDL catalyst, absorbed on silica, is used to cross-link urethane powder coatings for exterior applications. It can be used as a gelling catalyst in the manufacture of flexible and rigid polyurethane foams, coatings, adhesives, sealants and elastomers.

## PACKING

PowerNox™ DLTDP is supplied in 20Kg pails and 200Kg drums.

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