

TECHSIL® ST0

General Description

Techsil® ST0 Stannous octoate [CASRN 301-10-0], is a clear, yellow liquid with the following properties:

Formula:	Sn(OOCC ₇ H ₁₅) ₂	
Molecular weight:	405.10 g/mol	
Tin content:	28.5 ± 0.5 %	AAM 7002
Sn-II-content	> 27.1%	AAM 7002
Stannous content eff.	> 97% of total Sn	AAM 7002
Colour (Gardner)	Max 4	ISO 4630
Density (at 20°C)	1.26 ± 0.01 g/ml	ISO 2811-3
Refractive index n(20/D)	1.495 ± 0.005	DIN 51423
Viscosity (at 20°C)	350 ± 80 mPas	ISO 2555
Solubility	Miscible in polyols and most organic solvents Not miscible in alcohols and water	
Stability	Stannous octoate can be oxidized by air and will lose its maximum activity within a short time. To prevent oxidation by air, Techsil® ST0 Is specially stabilized.	

APPLICATION AND USE.

Techsil® ST0 is used

- as catalyst to accelerate the isocyanate-reaction for flexible, semi-rigid and rigid urethane foams.
- To promote the formation of esters.

Techsil® ST0 Is recommended in the manufacturing of

- "one-shot" polyurethane foam based on polyether-polyols
- Polyurethanes in general
- Silicone resins
- MS Polymers
- Lubricants
- Powder coatings
- Oleo chemicals
- Biodegradable polymers

Techsil® ST0

- "... allows simple handling procedures and equipment for easy use and low processing cost."
- "... allows to adjust work time and cure rate through choice of level used."
- "... is the fastest of the commonly used curing agents and is especially useful where cure times of one hour or less are required."

Contact Details

Techsil Ltd
Unit 34, Bidavon Industrial Estate, Waterloo Road, Bidford on Avon, Warwickshire, B50 4JN
Tel: +44(0)1789 773232 Fax: +44(0)1789 774239 Email: sales@techsil.co.uk Web: www.techsil.co.uk

HANDLING AND STORAGE

Please refer to the safety data sheet of this product for precise handling instructions. The processing and use of industrial chemicals require adequate technical and professional knowledge.

In general, avoid eye and skin contact, wear safety goggles, gloves and protective clothing. In case of eye or skin contact despite precautionary measure, wash immediately and through with plenty of warm water and obtain medical attention. The legal requirements prevailing in your country, especially on working hygiene and in the avoidance of accidents, must be observed.

It is recommended to store Techsil® ST0 In the tightly closed original containers, protected from humidity.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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