

## Product Data Sheet

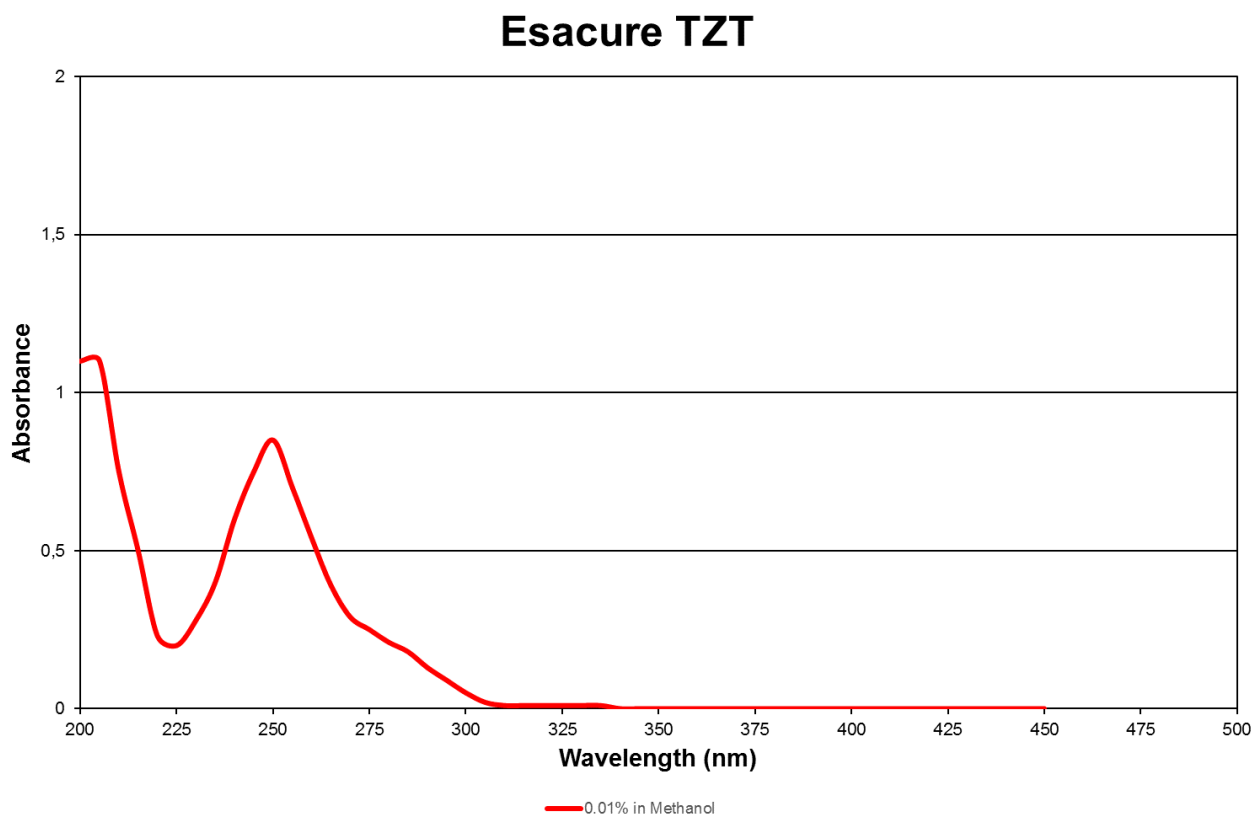
### General Information

Esacure TZT is particularly indicated for the photo polymerisation of UV curable systems when high reactivity, low curing odour and low yellowing are required. The radical generation occurs via hydrogen abstraction by the action of a co-initiator such as tertiary amines.

### Chemical Data

**Chemical Name:** Blend of 2-4-6 trimethylbenzophenone and 4-methylbenzophenone  
**CAS No:** 954-16-5 + 134-84-9

### Absorption Spectrum



### Specification

<b>Appearance</b>	<b>Visual</b>	<b>Clear liquid</b>
<b>Color</b>	<b>Hazen (APHA)</b>	<b>≤ 80</b>
<b>Volatiles</b>	<b>HS-GC analysis</b>	<b>≤ 0.65 %</b>
<b>Trimethylbenzophenone content</b>	<b>GC analysis</b>	<b>77.0 - 80.0 %</b>

## Additional Typical Properties

Solubility: insoluble in water, soluble in most common organic solvents, monomers and oligomers for UV applications.

## Application

Esacure TZT may be used, after adequate testing, in applications such as graphic arts ( OPV and printing inks), coatings for flooring and adhesives.

Due to its liquid form, high solubility and compatibility with the various curable systems, Esacure TZT can be easily incorporated by mixing and stirring.

Formulated product properties will depend on the actual reactive monomers, oligomers and additives utilized.

## Recommended Addition levels

Optimum concentration is between 1 and 8% by weight, and depending on system composition, thickness, and desired cure-speed.

## Storage & Handling

Storage must be in a cool, shaded, well ventilated and dry area away from direct sources of heat and sunlight.

Avoid contact with alkaline additives and water. Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 12 months.

Esacure TZT should be handled in accordance with good industrial practice. Further information is provided in the material safety data sheet which is available on request.

## Regulatory Status

All information can be found on MSDS (Material safety data sheet) and RIS (Regulatory Information Sheet) available upon request.

## Packaging

Esacure TZT is available in 25 kg drums.

### Disclaimer:

The information presented in this data sheet is given in good faith and is based on the material available to us at the time of writing. The information is not to be taken as a warranty or representation for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without a license. It is offered solely for consideration, investigation and verification.

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