

### TYPE

A malonate functional polyester resin with a CH equivalent weight of 118 g/eq (calculated on as-supplied product), for use as a donor resin in ACURE systems.

### DEVELOPMENT PRODUCT

**This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.**

### SOLVENT COMPOSITION

Butyl acetate

### SPECIFICATIONS

|   |                                  |
|---|----------------------------------|
| <b>Non-Volatiles:</b><br>ISO 3251, <i>STM 001G</i>        | 83 - 87 %                        |
| <b>Viscosity (23 °C):</b><br>ISO 3219, <i>STM 012J</i>    | 2.0 - 8.0 Pa.s                   |
| <b>Acid value (as such):</b><br>ISO 3682, <i>STM 303A</i> | max 0.7 mg KOH/g                 |
| <b>Colour APHA (Lico):</b><br>ISO 6271, <i>STM 008F</i>   | max 200 APHA                     |
| <b>Appearance:</b><br><i>STM 017A</i>                     | clear, free of extraneous matter |

### TYPICAL PROPERTIES

|                                 |                        |
|---------------------------------|------------------------|
| <b>Density:</b><br>DIN 53217    | 1.1 kg/dm <sup>3</sup> |
| <b>Flash point:</b><br>ISO 1523 | 35 °C                  |

### REMARKS

STM: allnex method of determination (available on request).

STM 001G: spreading agent is xylene.

In addition to the specified non-volatile content, this product contains approximately 1.5% malonate functional reactive diluent. As the CH groups on this malonate material are reactive, they are factored into the referenced CH equivalent weight. When determining the solids content of an ACURE based paint by typical volatilization methods (hotplate or oven) the net result is that these reactive species will generate a small increase (1-2%) in the solids content of the actual cured paint.

### TECHNICAL FEATURES

ACURE based topcoats containing ACURE 510-104 feature excellent hardness development and improved early hardness development due to the increased functionality and resulting cross-link density of his binder compared to e.g. ACURE 510-100. This improved drying performance is coupled with excellent outdoor durability and outstanding chemical resistance.

ACURE paints generally exhibit extremely fast dry times combined with long pot lives and tuneable open times.

ACURE 510-104 is preferably used in combination with other ACURE malonated polyesters such as ACURE 510-100, 510-170, 510-200 and 510-270 to tune the cross-link density and related properties of the formulation.

### APPLICATION

Extremely fast drying topcoats for use in Industrial, ACE, Marine and Protective, Wood and various premium, non-isocyanate topcoat systems.

### STORAGE CONDITIONS

Keep container tightly closed and dry in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition.

### SHELF LIFE

Standard Shelf Life is 365 days from the date of manufacturing. For products still in allnex possession allnex may extend the expiration date of a batch upon re-testing by QC.

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## PRELIMINARY PRODUCT INFORMATION

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.