

Polyol R3540

High purity and Performance for your UV resin

Product Description

Polyol R3540 is a trifunctional liquid alkoxyate polyol. It is used as a precursor for free radical radiation curing monomers and oligomers. With low degree of ethoxylation and suitability for TMP free acrylates, Polyol R3540 presents an optimal non-CMR classified alternative to TMPTA.

Segment Applications

Radiation curing, PU elastomers and foam, PU adhesives, polyol esters for synthetic lubricants, additive

Delivery Forms

Drums, 220kg

Container (IBC), 1100kg

Bulk at approximately 50°C



Polyol R3540 has low TMP residual content

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Sales Specification

| Characteristics | Unit | Specification | Analytical Method ¹ |
|-----------------|----------|---------------|--------------------------------|
| Hydroxyl number | mg KOH/g | 540 ± 25 | PO 100-1 |
| Water content | % | Max 0.3 | PO 109-2 |
| TMP content | % | Max 0.10 | PO 122-1 |

1. Internal analytical methods are available on request

General Characteristics

| Characteristics | Unit | Typical Value ¹ |
|----------------------------|----------|----------------------------|
| Molecular weight (nominal) | g/mole | 310 |
| Ash content (Na + K) | ppm | 250 |
| Color | APHA | 20 |
| Viscosity (23°C) | mPas | 550 |
| Acid number | mg KOH/g | 0.1 |

1. Typical values are for information only and not part of sales specification

Handling and Storage

Perstorp recommends storing alkoxyated polyols in sealed containers (in its original packaging) at ambient temperature, in a dry area protected from direct sunlight. The maximum storage temperature has not been determined, but when stored as recommended, temperatures up to 35°C are unlikely to present any problems. When drums are opened, and the product is exposed to air, moisture can be absorbed by the product. Sealing the drum under a dry gas (nitrogen, argon or dried air) blanket can substantially reduce this tendency.

CAS No.: 50586-59-9
 HS No.: 3907 29
 REACH Registration No.: 01-2119458873-26

Effective date: August 25, 2023

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