Hydroxypivalyl hydroxypivalate

Hydroxypivalyl hydroxypivalate · RS-HPHP · CAS 1115-20-4 · Technical Data Sheet · RawSource · rawsource.com/product/hydroxypivalyl-hydroxypivalate/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
1115-20-4	RS-HPHP	Diol · polymer building block

Hydroxypivalyl hydroxypivalate is a symmetrical specialty diol supplied as white flakes. It is used as a building block in polymer formulations. It introduces a rigid yet flexible ester linkage into the polymer backbone and balances structural hardness, hydrolytic stability and elasticity. It is used in polyurethane adhesives, powder coatings, industrial coil coatings and automotive paint.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	Hydroxypivalyl hydroxypivalate
Molecular formula	$C_{10}H_{20}O_4$

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White flakes	Conform
Content	98.5 % min	99.23 %
Moisture	0.50 % max	0.26 %

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

KEY FEATURES

- Suppresses regular crystallization, giving high optical transparency in adhesives and sealants
- Balances structural hardness and flexibility
- Optimizes melt flow and leveling in powder coatings against orange peel defects, without loss of anti-caking stability in the package
- Raises stone-chipping impact resistance of automotive surfacers
- Sterically hindered neo-structure gives hydrolytic stability and UVA/UVB resistance against outdoor chalking or fading

APPLICATIONS

- Adhesives and sealants (HMPUR)
- Powder coatings
- Automotive primers and coil coatings

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store in a cool, dry, well-ventilated place.
- Keep the storage ambient temperature consistently below 30 °C (86 °F).

PACKAGING AND SHELF LIFE

- 200 kg steel drums
- Shelf life: 12 months from production date under standard closed storage.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.