Methoxypolyethylene glycol

Methoxypolyethylene glycol · RS-MPEG_500 · CAS 9004-74-4 · Technical Data Sheet · RawSource · rawsource.com/product/methoxy-polyethylene-glycol-mpeg/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
9004-74-4	RS-MPEG_500	Monofunctional polyether · synthesis intermediate

Methoxypolyethylene glycol is a monofunctional polyether. The acrylate produced from it can be used to make light-curing coatings, UV inks and water-based coatings. It is a raw material for synthesizing polyurethane elastomers, coatings and adhesives, and it reacts with isocyanates to make chemical grouting materials used in tunnels and dams for anti-seepage. It is soluble in organic solvents such as aromatic hydrocarbons and ethanol. It is a colorless to light yellow transparent liquid.

DISTRIBUTED BY
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GENERAL INFORMATION

Chemical name	Methoxypolyethylene glycol

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION
Appearance	Colorless to light yellow transparent liquid
Moisture, %	0.15 max
Hydroxyl Value, mg KOH/g	106 – 119

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

KEY FEATURES

- Soluble in organic solvents such as aromatic hydrocarbons and ethanol

APPLICATIONS

- Light-curing coatings (via the acrylate)
- UV inks (via the acrylate)
- Water-based coatings (via the acrylate)
- Polyurethane elastomers
- Polyurethane coatings
- Polyurethane adhesives
- Chemical grouting materials for anti-seepage

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 material sealed and packaged.

PACKAGING AND SHELF LIFE

- 200 kg drums under nitrogen
- 1,000 kg IBC
- Shelf life: 12 months from production date.

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.