

DESCRIPTION Clearlink® 1000 is an aliphatic diamine chain extender for production of UV light-stable polymers with aliphatic isocyanates. It is an environmentally friendly, low-viscosity liquid with substantially lower reactivity than other commercially available aliphatic diamines.

The additional urea groups formed by the reaction of Clearlink® 1000 with aliphatic isocyanates typically increase strength and heat resistance in the final polymer. Samples of polyurethanes and polyureas cured with Clearlink® 1000 are light-stable in the laboratory and in outdoor exposure trials.

Performance Benefits:

- Easy-handling liquid aliphatic diamine
- Low moisture sensitivity
- Slower reactivity than other aliphatic diamines
- Low toxicity (Ames negative)
- Compatible with most polyols, co-curatives and other polyurethane chemicals

APPLICATIONS **POLYURETHANE AND POLYUREA COATINGS**
Clearlink® 1000 works with aliphatic isocyanates to produce tough, light-stable polyurethane and polyurea coatings using conventional spray techniques.

HOW TO USE Typical application rates range from 1 to 5 parts per hundred polyol (php) depending on the desired reaction time and application.

TYPICAL PROPERTIES	PROPERTY	TYPICAL VALUE
	Appearance	Clear, colorless liquid
	Specific gravity @ 20 °C (68 °F)	1.07
	Density, g/cm ³ (lb/gal)	0.887 (7.4)
	Pour point, °C (°F), IF	-42 (-44)
	Flash point, PMCC, °C (°F), IF	141 (285)
	Viscosity @ 16 °C (60°F), cPs	110
	Water content, ppm	< 600
	Ames test	Negative
	Molecular weight	322
	Equivalent weight	161
	Hydroxyl number	348

PACKAGING AND SHIPPING IATA Corrosive Liquid, N.O.S. 8, UN 2922, II (6.1), contains aliphatic diamines)
IMO Corrosive Liquid, N.O.S. 8, UN 2922, II (6.1), contains aliphatic diamines)
EMS Corrosive Liquid, N.O.S. 8, UN 2922, II (6.1), contains aliphatic diamines)
No. 8-15 MFAG Table No. 760.

SAFETY AND HANDLING Please refer to the current Material Safety Data Sheet for detailed safety, handling and toxicity information.

TYPICAL SHELF LIFE 2 years

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