



Lupranate® 81 Isocyanate

Lupranate 81 Isocyanate is a carbodiimide modified pure MDI with a higher 2,4'-isomer content and a functionality of approximately 2.1. Lupranate 81 Isocyanate exhibits good low temperature stability. It is suitable for applications such as elastomers, potting compounds, adhesives, sealants, and coatings.

TYPICAL PROPERTIES

Appearance	yellow to light yellow liquid
NCO content, wt%	29.5
Viscosity @ 25°C, cps	40.0
Flash point, °C (COC)	199
Density @25°C, g/cm ³	1.22
Initial boiling point, 5mm Hg, °C	190
Vapor Pressure @25°C, mm Hg	0.0003

Storage

Lupranate 81 isocyanate is supplied in tank trucks, or drums. Protect against moisture. The most favorable temperature for long-term storage is 21-27°C (70-80°F). If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur. Material can be stored for short-term at 16-27°C (60-80°F), but long-term it is ideal to keep material above 20°C (68°F) to avoid solid crystal formation. The solid crystals contain pure MDI and in this solid form may exhibit the same dimerization characteristics as pure MDI.

Warning

Excessive heating or prolonged heating at 80-100°C may cause dangerous pressure build-up. Heating by electrical means is not recommended due to the danger of local overheating, which would result in dimer formation. Melting in a water bath is not recommended because of the potential danger of the isocyanate reacting with water in case of drum leakage. Rolling the drum in atmospheric steam is an alternate procedure that can be used provided care is taken to ensure that the drum does not leak. The shelf life of Lupranate 81 Isocyanate is six months if the temperature is maintained at 21-27°C (70-80°F) and moisture is excluded.

In case of chemical emergency:

Call CHEMTREC 800-424-9300 or BASF (800-832-HELP) day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. Outside the U.S., call (703) 527-3887.

Attention:

This product is sold solely for use by industrial institutions. Refer to our Safety Data Sheet (SDS) regarding regulatory compliance, safety, hazards, spill procedures and disposal of this product. An SDS as well as additional information on BASF urethane chemicals may be obtained by telephoning BASF Corporation, Urethane Customer Service at (877) 297-3322 or faxing (734) 324-6866.

Important:

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