



# Lupranate® 5620 Isocyanate

Lupranate 5620 isocyanate is a polymeric MDI blend which contains a relatively high level of monomeric MDI. Lupranate 5620 has a functionality of approximately 2.2 and is designed for use in flexible foam applications.

## TYPICAL PROPERTIES

Appearance .....	dark brown liquid
NCO content, wt% .....	32.60
Viscosity @ 25°C, cps .....	400-450
Hydrolyzable chlorine, ppm .....	<100
Flash point, °C (COC) .....	> 200
Density @25°C, g/cm <sup>3</sup> .....	1.22
Initial boiling point, 5mm Hg, °C .....	190
Vapor Pressure @25°C, mm Hg .....	0.0002

### Storage

Lupranate 5620 Isocyanate is supplied in tank trucks, totes or drums. Once a container has been opened, care should be taken to exclude moisture. The most favorable temperature for storage is 20-35°C. If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur. Below 20°C, solid crystals may form and settle out, which can alter the performance of the product. The solid crystals contain pure MDI and in this solid form may exhibit the same dimerization characteristics as pure MDI. Unless prompt action is taken to melt the product, subsequent dimerization will proceed and may deteriorate the clarity and assay of the product. Melting the crystals is ideally done by rolling the drum in a hot air oven at 80-100°C. The drum contents should not be heated above 70°C to minimize dimer formation.

### 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 5620 Isocyanate is 6 months if the temperature is maintained at 25-35°C 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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