



Lupranate[®] 5030 Isocyanate

Lupranate 5030 Isocyanate is a liquid urethane modified diphenylmethane diisocyanate. Lupranate 5030 Isocyanate is used in conjunction with high molecular weight polyester or polyether polyols and short chain diols for the manufacture of high quality flexible and semi flexible elastomers and integral skin foams.

TYPICAL PROPERTIES

Appearance	light yellow liquid
NCO content, wt%	18.9
Equivalent weight	222.3
Viscosity @ 25°C, cps	1130
Flash point, °C (COC)	> 200
Density @25°C, g/cm³	1.17
Initial boiling point, 5mm Hg, °C	190
Vapor Pressure @25°C, mm Hg	< 0.00001

Storage

Lupranate 5030 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 25-35°C. If stored at higher temperatures, or if moisture is not excluded, an undesirable increase in viscosity will occur. Below 20°C, the product may begin to appear hazy based on its composition. Warming material to 30-35°C may return product to its clear state. Extended periods of storage below 20°C will allow for solid crystals to form and settle out, which can potentially alter the performance of the product. Do not store below recommended temperatures for longer than several days, and at most a week, to help mitigate solids formation. 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 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 5030 Isocyanate is six 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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