Technical Data Sheet

Lupranate® 5430 Isocyanate

Lupranate 5430 Isocyanate is reactivity and viscosity modified pure MDI with improved storage stability used in low reactive systems and prepolymers.

TYPICAL PROPERTIES

Appearance ………………………………………………………………………...…. light yellow liquid
NCO content, wt% ………………………………………………………………………… 32.5
Viscosity @ 25°C, cps ……………………………………………………………………....... 20
Flash point, °C (COC) ………………………………………………………………………. >200
Density @25°C, g/cm³ ……………………………………………………………………….. 1.22
Initial boiling point, 5mm Hg, °C ………………………………………………………… 200
Vapor Pressure @25°C, mm Hg ……………………………………………………………… 0.0001

Storage

Lupranate 5430 Isocyanate is supplied in tank trucks or drums. Once a container has been opened, care should be taken to exclude moisture. The most favorable temperature for storage is 20-30°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 done by rolling the drum in a hot air oven at 70-90°C. The drum contents should not be heated above 60°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 potential danger of the isocyanate reacting with water in case of drum leakage. Rolling the drum in atmospheric steam is an alternative procedure that can be used providing care is taken to ensure that the drum does not leak. The shelf life of Lupranate 5430 Isocyanate is six months if the temperature is maintained at 20-30°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:

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the

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