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Technical Data Sheet

Lupranate® 5100 BMBcert™ M1 Isocyanate

ISCC PLUS[2] Certified

Mass balanced products support and accelerate the substitution of virgin/fossil feedstock with alternative feedstock. BMB products offer the same chemical properties as their conventional equivalents but contribute to saving conventional resources and contribute to reducing CO_2 emissions.

Lupranate® 5100 BMBcert M1 Isocyanate is an isocyanate blend of monomeric and polymeric MDI. Typical use is for flexible slab stock and molded Visco-Elastic memory foams.

TYPICAL PROPERTIES

Appearance	amber liquid
NCO Content, wt%	32.6
Viscosity @ 25 °C, cP	33
Nominal Functionality	2.3
Vapor Pressure @ 25 °C, mm Hg	0.00001
Specific Gravity @ 25 °C, g/cm3	1.22
Hydrolyzable chlorine, ppm	< 100

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U.S.: www.basf.us/responsiblecare_usa
Canada: www.basf.us/responsiblecare_canada
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STORAGE

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 15 °C, the product becomes difficult to pump and pour. Below 12 °C, crystallization may occur. The shelf life of Lupranate® 5100 BMBcert M1 Isocyanate is six months if the temperature is maintained at 25 to 35 °C and moisture is excluded.

SHIPPING INFORMATION

This product is supplied in tank cars, tank trucks, totes and drums.

HANDLING RECOMMENDATION

Excessive or prolonged heating at 70-100 °C may cause dangerous pressure build-up. Heating by electrical means is not recommended due to the danger of localized 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. Care should be taken when heating the drum to ensure that it does not leak.

HAZARD STATEMENT

MDI products are classified as harmful if inhaled. It causes skin irritation and serious eye irritation. It may cause respiratory irritation. It may cause sensitization by inhalation and skin contact. It may cause damage to organs though prolonged or repeated inhalation exposure. Before processing the product, we recommend reading the safety data sheet. Labelling, transportation, storage, processing, waste treatment and disposal must comply with nation regulations. Occupational exposure limits are to be observed. To avoid accidents, the residual product in the drums must be handled with care. Any water or moisture which is allowed to enter the drum will react with the MDI and release carbon dioxide. Unless action is taken to prevent moisture entry or gas entrapment, the drums will become pressurized and may rupture. For further information please consult our “MDI Handbook”.

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 visiting polyurethanes.basf.us.

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 suitability of a product for your particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.** Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by BASF hereunder are provided gratis and BASF assumes no obligation or liability for the description, designs, data and information given or results obtained, all such being given and accepted at your risk.

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