



Lupranate® 8020 Isocyanate

Lupranate 8020 Isocyanate is an 80:20 weight percent combination of toluene diisocyanate (TDI) and polymethylene polyphenylisocyanate (polymeric MDI). This product is used in the preparation of polyurethane foams, prepolymers, and elastomers and should be thoroughly mixed before using to ensure uniform isomer distribution and reactivity.

TYPICAL PROPERTIES

| | |
|--|--------------|
| Appearance | brown liquid |
| NCO content, wt.% | 43.6 – 45.4 |
| Acid content, wt.% HCl max | 0.009 |
| Flash point, °C (COC) | 132 |
| Density @25°C, g/cm³ | 1.22 |
| Vapor Pressure @25°C, mm Hg | 0.01 |

Storage

Store under a dry air (-20°C dew point) or dry nitrogen blanket to exclude moisture. The most favorable storage temperature is between 60°F and 85°F (15.6°C-29.4°C). Storage above 95°F for extended periods may cause a change in product quality. Below 50°F Lupranate 8020 Isocyanate may begin to freeze. If freezing or partial freezing occurs slowly heat the product to 55-75°F to re-liquefy. The product must be thoroughly mixed before using to ensure uniform isomer distribution and reactivity.

Shipping Information

20,000-gallon tank cars and 4,500-gallon tank trucks are standard.

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.

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 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.

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