

Modified MDI

Isocyanate Curative

Typical properties

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| Product | Modified MDI Isocyanate Curative |
| Appearance | Pale yellow liquid |
| Density, g/cm ³ at 25°C | 1.22 |
| Viscosity, mPa s at 25°C | 450 |
| Isocyanate (NCO) value, % corrected for hydrolysable chlorine | 24.40 |
| Flash Point, °C Cleveland Cup, ASTM method D92 | 235 |
| Fire point, °C Cleveland Cup, ASTM method D92 | 220 |

Introduction

Modified MDI Isocyanate Curative is a prepolymerised diphenyl methane diisocyanate (MDI).

Application

For information on this product, please contact us at orders@rocketmotorparts.com; Other contact information is given on the second page.

Storage and Handling Recommendations

Containers of Modified MDI Isocyanate Curative should be kept properly closed and stored indoors in a well-ventilated area under normal factory conditions. Storage at temperatures ranging from 20 - 30 °C provides a convenient viscosity for handling. Storage at low temperature is not recommended because it may lead to some crystallization; this material must therefore be protected from frost. If under abnormal storage conditions some crystallization does occur, the material should be melted according to the procedures given in the publication PU 181-15E. Storage at temperatures above 50°C is not recommended, since this can lead to the formation of insoluble solids and also the viscosity build-up increases on extended storage.

Under the recommended storage conditions and if protected from humidity and contaminants, i.e. in properly sealed drums, cans, etc., Modified MDI Isocyanate Curative has a provisional storage life of 6 months at the customer. In case of storage in bulk containers, please contact our sales representative for further details. Detailed information on how to obtain optimum bulk storage conditions, is available in the ISOPA document Guidelines for Safe Loading/Unloading, Transportation & Storage of TDI and MDI.

Reaction with atmospheric moisture, is prevented by storing Modified MDI Isocyanate Curative in carefully sealed containers under a dry air atmosphere. During handling, the product must be protected from water ingress and from atmospheric moisture. Containers should be re-sealed immediately after each sampling. The reaction of isocyanates with water leads to the formation of insoluble ureas and carbon dioxide gas, which can lead to pressure build-up in closed containers. Containers used for Modified MDI Isocyanate Curative must therefore be absolutely dry.

The precautions necessary when handling Modified MDI Isocyanate Curative and the decontamination procedures recommended to be used in case of spillage, are described fully in the publication PU 193-1E.

Inquiries should be addressed to:

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Health and Safety Advice

The appropriate health and safety advice can be found in the safety data sheet for Modified MDI Isocyanate Curative available on request. The applicable Safety Data Sheet should be reviewed by the customer before handling the product.