HUNTSMAN

Product data

Suprasec 9480
isocyanate

Typical properties

Product	Suprasec 9480
Appearance	Yellow liquid
Density at 25°C, g/cm3	1.14
Viscosity at 25°C, mPa s	220-340
Isocyanate (NCO) value, % corrected for hydrolisable chlorine	15.1
Flash point, °C Cleveland Cup, ASTM method D92	> 110

Introduction

Suprasec 9480 is a light yellow, low functionality diphenyl methane diisocyanate (MDI) based prepolymer.

Application

Suprasec 9480, is a developed for use in combination with different polyols and amines to produce high performance coatings with execellent toughness and elasticity.

For information on this product, please contact our nearest Huntsman Polyurethanes technical centre.

Storage and Handling Recommendations

Containers of Suprasec 9480 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 crystallisation; this material must therefore be protected from frost. If under abnormal storage conditions some crystallisation 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., Suprasec 9480 has a provisional storage life of 3 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 Suprasec 9480 in carefully sealed containers under a dry airatmosphere. 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 Suprasec 9480 must therefore be absolutely dry.

The precautions necessary when handling Suprasec 9480, i.e., MDI, and the decontamination procedures recommended to be used in case of spillage, are described fully in the publication PU 193-1E; MDI-based compositions: Hazards and safehandling procedures. Should it prove necessary to melt Suprasec 9480, procedures are given in the publication PU 181- 15E; Recommended melting procedures for MDI-based isocyanates.

Health and Safety Advice

The appropriate health and safety advice can be found in the safety data sheet for Suprasec 9480 available on request. The applicable Safety Data Sheet should be reviewed by customer before handling the Huntsman product. All users of Suprasec 9480 are advised to read the publication PU 193-1E; MDI-based compositions: Hazards and safe-handling procedures.

Enquiries should be addressed to the nearest Huntsman Sales Office or to:
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