



Product Data Sheet

Rev. 10/11

SYLVAGEL™ IM800 Polyamide Polyamine

Product Description

SYLVAGEL™ IM800 is a modified polyamide resin designed for use in an ambient cure, cross-linked polyurea system that immobilizes functional liquids. When reacted with liquid polyisocyanates it can form an object or coating containing up to 70% functional liquid loading. When used in conjunction with SYLVAGEL™ IM700, higher levels of **SYLVAGEL™ IM800** will increase the set time of the reactive system.

Typical Properties

Bio-based carbon content, %, ASTM D6866	29
Viscosity, 23°C, mPas (cp)	60,000
Viscosity, 40°C, mPas (cp)	6,800
Color, Gardner	2
Acid Number	1
Amine Number	14
Density (g/cc) @ 25°C	0.94

Features

Benefits

Liquid	Ease of mixing
Amine functional	Reacts readily and completely with isocyanate at room temperature
Low color	Final objects can be dyed to offer clean, transparent colors
Low odor	Will not interfere with fragrance oils

CAS Numbers

>97% CASRN 1093269-05-6

<3% CASRN 9046-10-0



Technical Service: Savannah, GA (912) 238-6556

Sales Service: Jacksonville, FL (800) 526-5294

Sales Service: Almere, The Netherlands +31 36 5462 800

www.arizonachemical.com

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.



Product Data Sheet

Suggestions for Use

SYLVAGEL™ IM800 is generally used in formulation with SYLVAGEL™ IM700 to control the rate of cure. When reacted with a polyisocyanate in the presence of a functional liquid they will form robust objects such as air fresheners, pesticide delivery articles or coatings for actives delivery. The product provides good compatibility with most liquid actives, such as fragrance oils, pesticides, surfactants, and other moderately polar organic liquids. They are not recommended to immobilize mineral and vegetable oils.

Please see “Arizona Chemical IFO Disclosure” and “Arizona Chemical IFO Calculator” for additional information.

Storage and Handling

Storage Conditions

Material is a viscous liquid at room temperature. Store resin in closed containers at or below room temperature. As with many resins, oxidation may occur over time resulting in a darkening of the product. See MSDS for details regarding safe handling of this resin.

Packaging

Resin is available in epoxy phenolic lined steel pails or drums of approximately 35 pounds (77 Kg) or 380 pounds (838 Kg) net.



Technical Service: Savannah, GA (912) 238-6556
Sales Service: Jacksonville, FL (800) 526-5294
Sales Service: Almere, The Netherlands +31 36 5462 800
www.arizonachemical.com

The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.