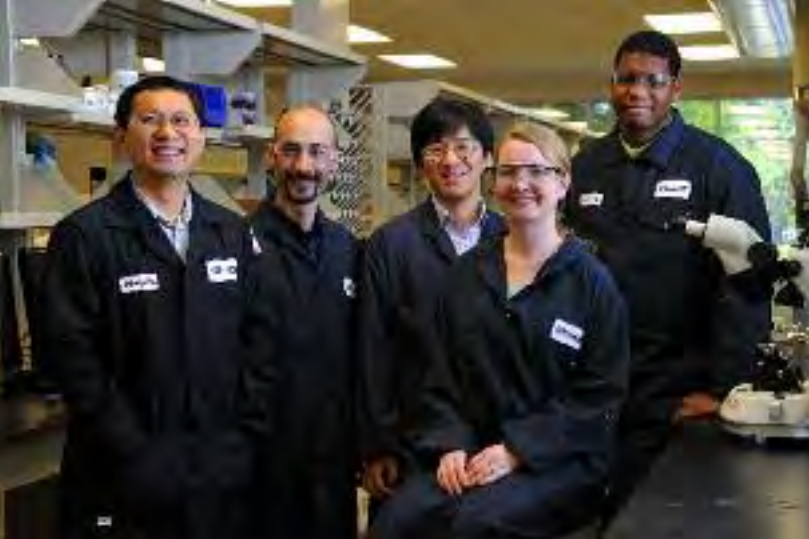


HUNTSMAN

Enriching lives through innovation



Welcome



The Right Choice

for Spray Polyurethane Foam Technologies



Huntsman is a worldwide leader in the production of MDI-based polyurethane technologies for energy saving insulation products. Huntsman's RUBINATE® M and SUPRASEC® 5005 MDI are used as the "A-side" in many SPF systems. Additionally, Huntsman offers a full range of SPF raw materials, including JEFFOL® polyether and TEROL® polyester polyols, catalysts and other additives used to formulate the "B-side" of SPF systems. Leading SPF system houses around the world utilize our raw material technologies, and rely on our exceptional service.

Typical Properties	Physical Appearance	Viscosity (cP @ 25°C)	Specific Gravity (@ 25°C)	Free NCO Content %
HUNTSMAN MDI				
RUBINATE® M MDI	Brown liquid	180	1.23	31.5
SUPRASEC® 5005 MDI	Brown liquid	200	1.23	31.3

RUBINATE® M and SUPRASEC® 5005 MDI are available in drums, totes (IBCs) and tank trucks. Other Huntsman MDI products are also available.

Typical Properties	Hydroxyl No. (mg KOH/g)	Viscosity (cP @ 25°C)	Specific Gravity (@ 25°C)	Functionality (Average)
TEROL® AROMATIC POLYESTER POLYOLS				
TEROL® 250 Polyols	235 - 265	4,000 - 6,000	1.23	2.0
TEROL® 256 Polyols	255 - 275	10,000 - 14,000	1.26	2.3
TEROL® 305 Polyols	290 - 310	5,000 - 6,000	1.24	2.2
TEROL® 352 Polyols	335 - 365	2,500 - 3,500	1.23	2.2
TEROL® 925 Polyols	295 - 315	2,500 - 3,500	1.25	2.4
TEROL® 1465 Polyols	285 - 305	4,500 - 6,500	1.23	2.4

JEFFOL® POLYETHER POLYOLS

JEFFOL® R-350X Polyols	530	14,000	1.11	2.9
JEFFOL® SG-360 Polyols	360	3,500	1.08	4.7
JEFFOL® R-425X Polyols	425	4,500	1.06	3.2
JEFFOL® R-470X Polyols	470	11,500	1.05	3.3
JEFFOL® R-650X Polyols	450	24,000	1.06	3.7
JEFFOL® A-800 Polyols	800	20,000	1.05	4.0
JEFFOL® AD-500 Polyols	500	18,000	1.10	3.2
JEFFOL® G31-35 Polyols	35	860	1.02	3.0
JEFFOL® SA-499 Polyols	495	6,500	1.11	4.3
JEFFOL® SD-441 Polyols	440	6,500	1.08	4.3

Commitment to the SPF Industry

Huntsman's dedication to the industry is reflected in our active board-level participation in industry associations, including the Spray Polyurethane Foam Alliance (SPFA), the Center for the Polyurethanes Industry (CPI) and the Insulation Contractors Association of America (ICAA).

Quality of Products

Huntsman's SPF raw materials have been used to formulate quality SPF systems for decades. Huntsman offers one of the broadest product portfolios for open and closed cell SPF formulations – from high-quality MDI, to polyester and polyether polyols, catalysts, additives and more.

Global Supply

With world class MDI production facilities in North America, Europe and Asia; polyol production sites in North America, Europe and Asia; and system houses spanning the entire globe, Huntsman is set up to deliver a consistent and reliable supply of MDI and other SPF materials anywhere in the world.

Product Stewardship

At Huntsman, product stewardship demonstrates our commitment to responsible EHS management through active assessment of our products at every stage in their life cycles, from the sourcing of raw materials, through manufacture and use, to eventual disposal. This involves working very closely with our customers, suppliers and others in the supply chain to ensure that they understand the EHS opportunities relating to our chemicals.



Proper Design of HVAC Systems for Spray Foam Homes



Frequently Asked Questions About Spray Polyurethane Foam (SPF)



Trabajar de Manera Segura con MDI



Working Safely with MDI



SPF Support Materials

In support of our customers and the SPF industry, Huntsman has developed a series of educational tools, including product handling guides, white papers, case studies, technical data sheets, an accredited American Institute of Architects (AIA) course and more.

These tools are available through your supplier, by calling Huntsman directly at (281) 719-4602 or by emailing sprayfoam@huntsman.com.

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Products may be toxic and require special precautions in handling. The user should obtain Safety Data Sheets from Huntsman Polyurethanes containing detailed information on toxicity, together with proper shipping, handling and storage procedures, and should comply with all applicable safety and environmental standards.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent on the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

Huntsman Polyurethanes is an international business unit of Huntsman International LLC. Huntsman Polyurethanes trades through Huntsman affiliated companies in different countries such as Huntsman International LLC in the USA and Huntsman Holland BV in Western Europe.

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