

## Health, safety and environmental services in the USA

Covestro LLC provides product stewardship information and services for our customers and distributors. The following services, amongst others, are available at your request.

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**Transport & Logistics Safety:** Transportation and logistics safety support services for U.S.-based customers and distributors.

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**Product Safety:** Product safety support services for customers and distributors in the U.S. regarding Safety Data Sheets (SDS), labels and other HSE-related topics.

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**Industrial Hygiene:** Exposure assessments, safe use and handling seminars and technical guidance for engineering controls.

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**Emissions Estimation:** Information and resources for emissions calculation methods, emission factors and engineering calculations.

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**Support Contacts:** If you are a Covestro LLC customer or distributor in the United States, our experts will gladly provide assistance regarding questions about the safe use, handling, logistics safety and environmental aspects of our products. Please contact your salesperson if you are interested in the above services.

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For more information on product safety and stewardship, please visit our Product Safety First website: <https://www.productsafetyfirst.covestro.com/>

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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, information and recommendations to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by Covestro.

Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

This product is not designated as "Medical Grade" and therefore shall not be considered a candidate for the manufacture of a medical device or of intermediate products for medical devices, which are intended under normal use to be brought into direct contact with the patient's body (e.g., skin, body fluids or tissues, including indirect contact to blood). If the intended use of the product is for the manufacture of a medical device or of intermediate products for medical devices, Covestro LLC must be contacted in advance, in writing, to provide its agreement to sell such product for such purpose. Nonetheless, any determination as to whether a product is appropriate for use in a medical device or intermediate products for medical devices must be made solely by the purchaser of the product without relying upon any representations by Covestro LLC. For further information, please see the „Guidance on Use of Covestro Products in a Medical Application" document which can be located at [www.productsafetyfirst.covestro.com](https://www.productsafetyfirst.covestro.com).



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## Flexible Slabstock Materials for Furniture and Bedding





## Focused on Efficiency, Innovation and Sustainability

**Efficient Production:** Our continuous focus on the efficiency of our plants, sites, and equipment supports our pursuit to become your most reliable and trusted supplier.

**Innovation:** We focus our research and development in activities that enhance the performance of existing products and support the growth of related markets with new products.

**Sustainability:** As the central pillar of Covestro's strategy, sustainability creates value and helps protect the environment as well as progress social responsibilities.

## A full product portfolio and industry-leading experience and support



A full, domestically produced portfolio of products: Polyols (Base, High Resiliency (HR), Viscoelastic, Polymer as well as KOH and DMC technologies), TDI and MDI with blending capabilities



A complete offering of services including: Technical Service, Industrial Hygiene, Distribution Safety, Product Safety, Physical Testing and Customer Service



Over 130 years of combined industry experience in our Application and Product Development Team

## A Complete Family of Products



### Arcol®

- Polyether polyol used in a variety of flexible and molded foam applications
- Product line includes diol, triol and polymer polyols



### Mondur®

- A family of aromatic isocyanates used in the production of flexible polyurethanes
- Mondur products are based on MDI, TDI and MDI/TDI blends available in monomeric and polymeric chemistries



### Multranol®

- Polyether polyols used in the production of flexible foams
- Multranol products are available in a wide variety of grades to help you create the polyurethane formulation and product you require



### Softcel®

- Polyether polyols for the production of viscoelastic foam
- Designed to provide expanded formulating and processing flexibility via a slabstock or molded foam process
- Enables the production of a wide range of viscoelastic foam grades with excellent processing and consistent performance properties that can be tailored to end-use applications



### Ultracel®

- Polyether polyols for the production of high-quality, high resiliency (HR) flexible slabstock polyurethane foam
- Provides excellent cushioning for furniture and bedding applications



Pittsburgh, PA  
N.A. Headquarters  
PUR Technical Center  
Physical Testing Labs



Baytown, TX  
Manufacturing Facility



Channelview, TX  
Manufacturing Facility



South Charleston, WV  
Manufacturing Facility



New Martinsville, WV  
Manufacturing Facility

## Flexible Slabstock Polyol Products

Product Class	Product Name	Chemical Description	Hydroxyl Number meq/gmKOH	Viscosity @25 cps	Functionality Nominal	EO Location	Solids Wt. %	Features / Benefits
Conventional Polyols	ARCOL F-3040	Base	56	580	3	Int.	0	Universal DMC-catalyzed polyol for conventional foams with optimum consistency, processing and properties
	ARCOL F-3022	Base	56	480	3	Int.	0	Conventional KOH-catalyzed polyol for consistent processing and performance
	ARCOL F-3222	Base	52	520	3	Int.	0	Standard KOH catalyzed polyol for flexibility to balance foam properties and processing
High Resilient (HR) Polyols	ARCOL E-919	Specialty	25	2500	3	Cap	29	Specially formulated blend for excellent processing and unique properties
	MULTRANOL 8151	Multranol	28	3600	3	Cap	20	Unique PHD polyol with added firmness with excellent physical properties
	MULTRANOL 8163	Base	28	1160	3	Cap	0	Base polyol for a broad range of properties of high quality HR foam
	ULTRACEL 3000	Specialty	30	1770	4	Mix	10	Fully formulated polyol for superior processing, support and comfort properties of HR foam
High Load PMPOs	ARCOL HS-200	Filled	25.5	4210	3	Int.	49	Highest solids product for optimum load building and foam processing to make a full range of foam types
Viscoelastic Polyols	ARCOL LHT 240	Base	240	250	3	-	0	Standard polyol for producing foams with acceptable processing and properties
	SOFTCEL U-1000	Base	168	200	3	-	0	Typical base polyol for producing several foam grades with acceptable processing
	SOFTCEL VE-1800	Specialty	100	300	-	Int.	0	Formulated product to offer excellent processing for the widest range of foam grades and superior physical properties (lowest Tg.)
Cell Opener	MULTRANOL 9199	Cell Opener	37	1100	3	Int.	0	High EO polyol for use in production of various polyurethane foams for enhancing processing and properties.

## Flexible Slabstock Isocyanate Products

Product Class	Product Name	Chemical Description	Isomer Description	NCO Wt. %	Viscosity @25 cps	Functionality Average	Features / Benefits
Monomeric Diisocyanates	Mondur TD-80	TDI	80/20: 2,4/2,6	48.3	5	2	Robust product for all foam types
	Mondur TD-65	TDI	65/35: 2,4/2,6	48.3	3	2	Effective for viscoelastic and specialty foams
Polymeric Isocyanates	Mondur 1488	pMDI	2,4 Rich	32.4	28	2.3	Effective in producing a range of viscoelastic and HR foams
	Mondur 3694	pMDI	4,4 Rich	32.8	26	2.3	Designed for use in viscoelastic and HR foams for superior properties
	Mondur 3695	pMDI	4,4 Rich	32.8	26	2.3	Effective for viscoelastic and HR foams
	Mondur MR-Light	pMDI	4,4 Rich	31	200	2.8	Multi-purpose, for various applications including binder