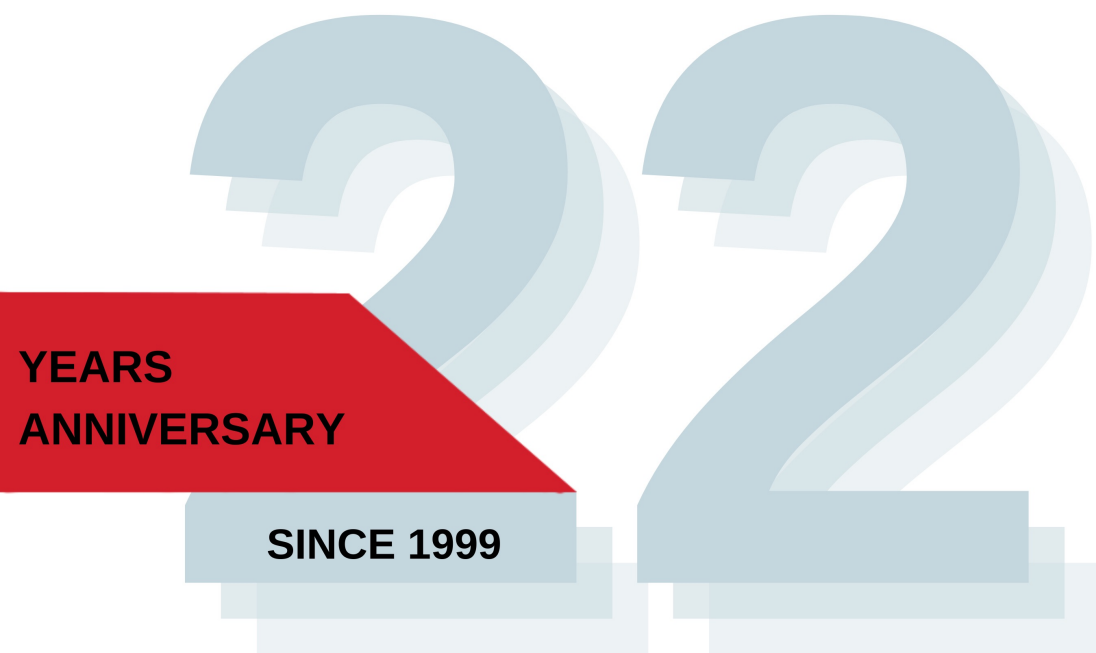


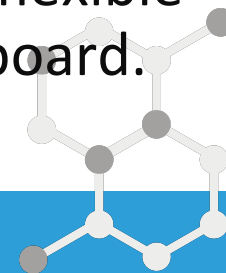
stera chemicals

Inks and Adhesives





- **Stera Chemicals** is one of the main distributors of raw materials on the Romanian market.
- Realizing bonds between the producers of raw materials and companies that use them in their production process, Stera Chemicals offers business-to-business solutions for the packaging industry. Our customers are producers of flexible plastic packing, paper and cardboard.





The company started its activity in 1999 with the distribution of raw materials for the cosmetic industry.

During the next years its activity diversified and developed steadily. Stera Chemicals offers now raw materials, “FROM GRAMS TO TONS”, competitive and at the highest quality standards for the following industries:

**Cosmetics and
detergents**



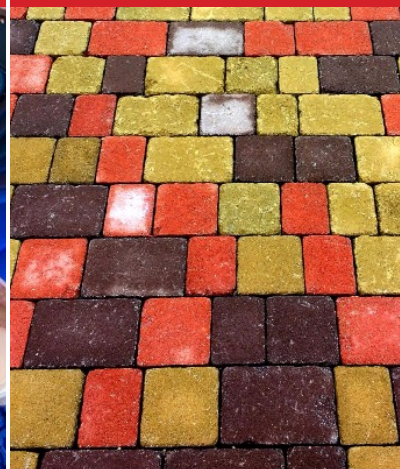
**Coatings and
paints**



**Rubber and
plastics**



**Pigments and
constructions**

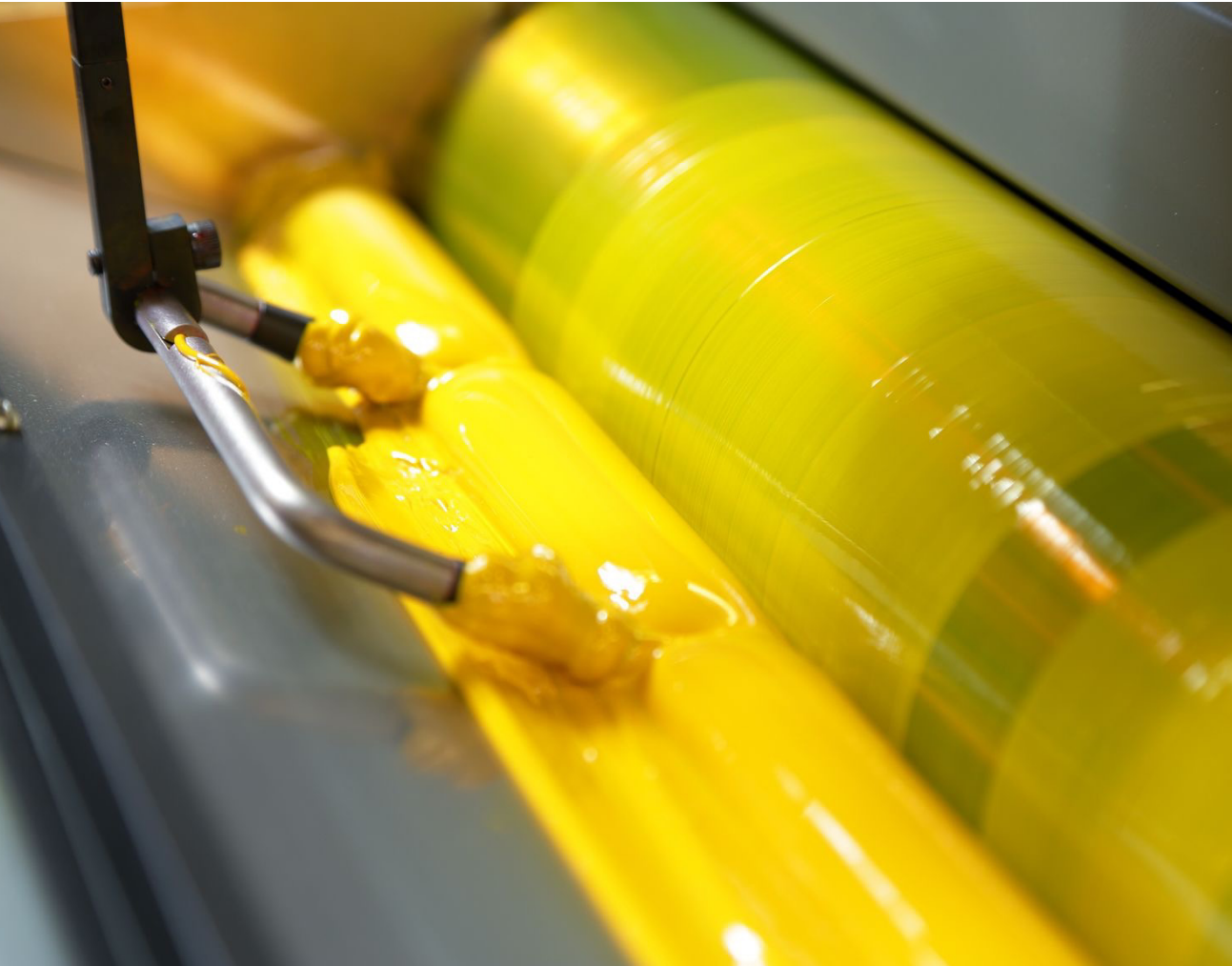


**Inks and
adhesives**

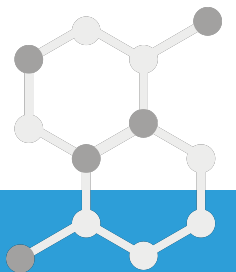


Food





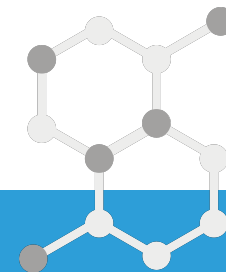
- The inks and adhesives department addresses itself to all producers of flexible packaging from plastic to paper and cardboard
- We can offer glycols, special solvents and adhesives for the following industries:
 - Roto and Flexographic industry
 - Offset industry



What about flexography ?

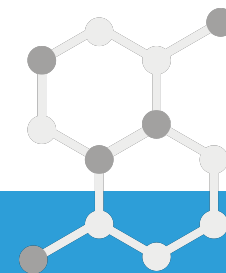


- At first the flexo pattern was of very low quality. Significant improvements have been made over the past years in plaque material and their method of creation (typically by photographic exposure, followed by a chemical engraving and more recently by laser engraving).
- Flexography is a rotating printing process that uses photopolymer clichés as a means of transferring ink to the print media. This technique is called so because it was originally used as a method of printing corrugated cardboard, and today it is used for the printing of labels, sheets, newspapers, etc.



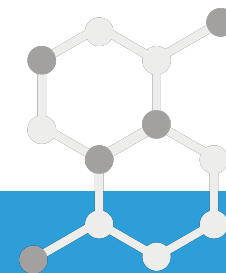


- We offer a wide range of solvent blends for different prints.
- For Flexographic Printing we can offer:
 - Etiflex 90 – solvent blend for dilution of inks
 - Ethylol 78 - solvent blend dedicated to high-speed printing machines
 - Methoxypropanol - dedicated to high-speed printing machines
 - Ethoxypropanol - dedicated to the delay of drying inks over a long time
 - Custom blends





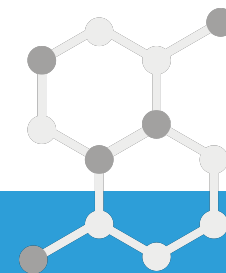
- Rotogravure is the most commonly used printing method for printing flexible packaging.
- In rotogravure, solvent consumption is greater than in any other printing method because the cylinder surface notches require their constant filling with ink; for this reason, at the bottom of the cylinder there is an open container with a mixture of ink and solvent in which the cylinder sinks regularly to fill its notches with color.
- The solvent used in rotogravure is volatile and requires special treatment.



Range of products



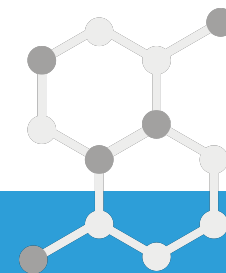
- For rotogravure printing we can supply the following products:
 - Ethyl acetate - solvent for the dilution of inks dedicated to this type of printing
 - Sterarot 80 - Solvent for low speed printing
 - Custom made blends



What is offset printing?



- For decades offset printing has been the only way to print a color image on paper. Currently, there are several color printing methods, but for large prints the offset pattern remains the best option for price and quality.
- For offset printing we can supply **Isopropyl Alcohol (IPA)**, a solvent used in the printing process.

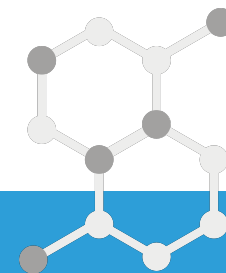


Aditives and Masterbatch



Stera Chemicals is the official distributor of **Tosaf** for the Romanian market.

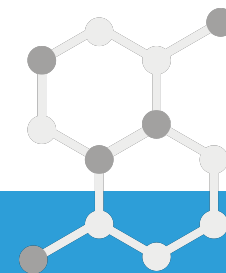
Tosaf is one of the world's largest manufacturers of additive and color master bathes.



Range of products

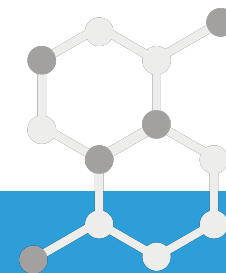


- Our product portfolio addresses different industrial applications and we can offer several types of additives:
 - Anti-Fog masterbatch (for the packaging films)
 - Anti-Blocking masterbatch (additive to prevent film jamming on rolls or other layers)
 - Anti-Slip masterbatch (additive to prevent slipping)
 - Processing Aid masterbatch (additive to prevent film jamming on rolls or other layers)
 - UV masterbatch (additive for the UV protection)
 - Antioxidant masterbatch
 - Flame Retardant masterbatches for different resins and applications.



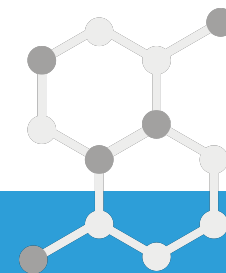


- Filler Masterbatch contains Calcium Carbonate and, as a resin, PE or PP
- It is used to modify mechanical properties or to reduce costs and improve process-ability





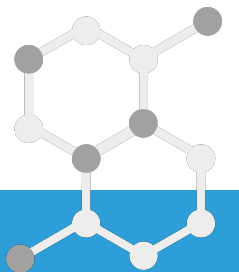
- As a moisture-absorbing additive, the desiccant can be used both in film preparation and in type processes:
 - injection
 - extrusion



White Masterbatch



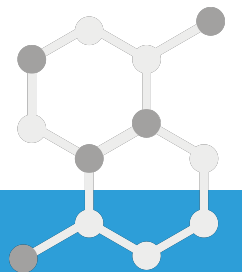
- The white masterbatch is a product based on titanium dioxide dispersed in the support polymer.
- It offers a high opacity of the final product and easy processing.
- Our product range includes white masterbatch with different concentrations of titanium dioxide.



Black Masterbatch



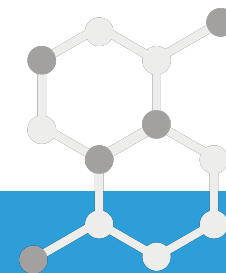
- The black masterbatch contains carbon black dispersed in the support polymer.
- Our product range includes several types of black masterbatch with various concentrations of carbon black.



Color Masterbatch



- Stera Chemicals can provide a wide variety of color masterbatches compatible with all types of polymers





Danusia Grigorescu

inks@sterachemicals.ro