



greenchemicals

THE PARTNER FOR YOUR GROWTH

Company Profile





**GREEN AND INNOVATIVE
SOLUTIONS FOR
ENVIRONMENTAL FRIENDLY
FLAME RETARDANTS
AND ADDITIVES
FOR PLASTIC INDUSTRY**





WE DEVELOP
**PLASTIC
ADDITIVES
FORMULATION**
WITH LOWER
HUMAN AND
ENVIROMENTAL
IMPACT

TEAM EFFORT

SUSTAINABILITY

WE DEVELOP
TECHNOLOGY FOR
THE **RECYCLING OF
DIFFICULT OR
CONCERNING
MATERIALS**

WE DEVELOP
NEW
**RECYCLING
TECHNOLOGY**
FOR LOWERING
PROCESS
ENERGY

INNOVATION

**LONG TERM
RELATIONSHIP**

WE DISTRIBUTE THE
BEST PLASTIC
ADDITIVES AND WE
GUARANTEE:
**QUALITY,
TECHNICAL
SERVICE,
STOCK IN EUROPE**

Who we are

Greenchemicals is an Italian company, developing flame retardands and additives formulations, trying to **reduce their environmental impact**.

Greenchemicals has been **founded in 2010** by people with a strong passion for plastic and many years of experience in plastic additives.

The work is driven by **creativity, passion, and a strong sense of responsibility** for human beings and the environment.



Greenchemicals strongly believes in companies' partnerships to achieve a common goal.



Thanks to its strong customer orientation, commitment to research, and attention to the environment, Greenchemicals presents itself as a reliable and attentive partner in the plastic additives sector.

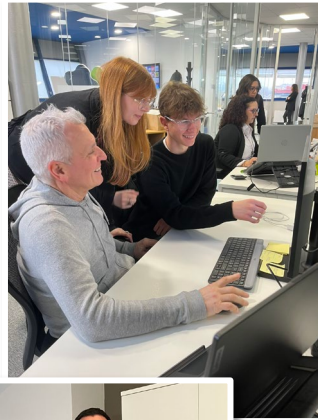
GREENCHEMICALS DEVELOPED IN THE YEAR MANY PARTNERSHIPS:

- Seta Polymers
- Danxia
- Operate
- Baoding Lucky Chemicals
- Sap
- Krauss Maffei
- Politecnico of Milan and Turin
- Frx-Nofia
- Polichem
- Gamma Meccanica



The professionalism of Greenchemicals in the field of plastic additives lies in the quality of its products and in its customized solutions.

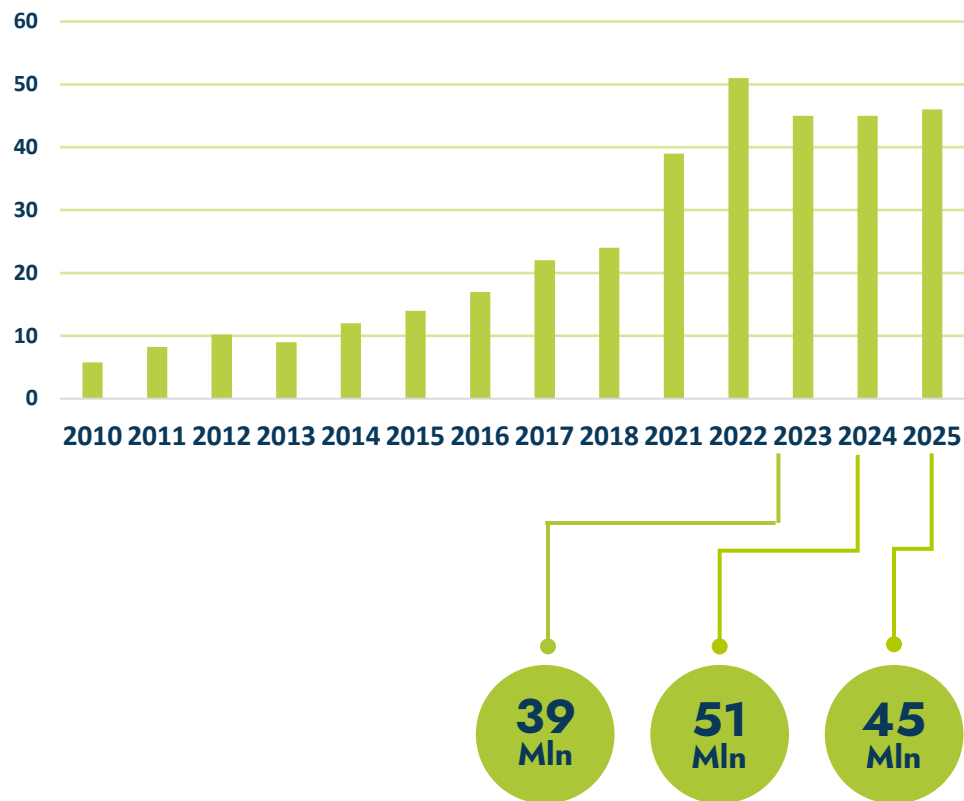
Here we are!





keeping moving forward...

SALES



A flexible, dynamic and constantly growing Company



Our 7 Offices



SWITZERLAND
Lugano

HOLLAND
Amsterdam

USA
Wilmington,
Delaware

ITALY
Desio (MB)
Garlasco (PV)

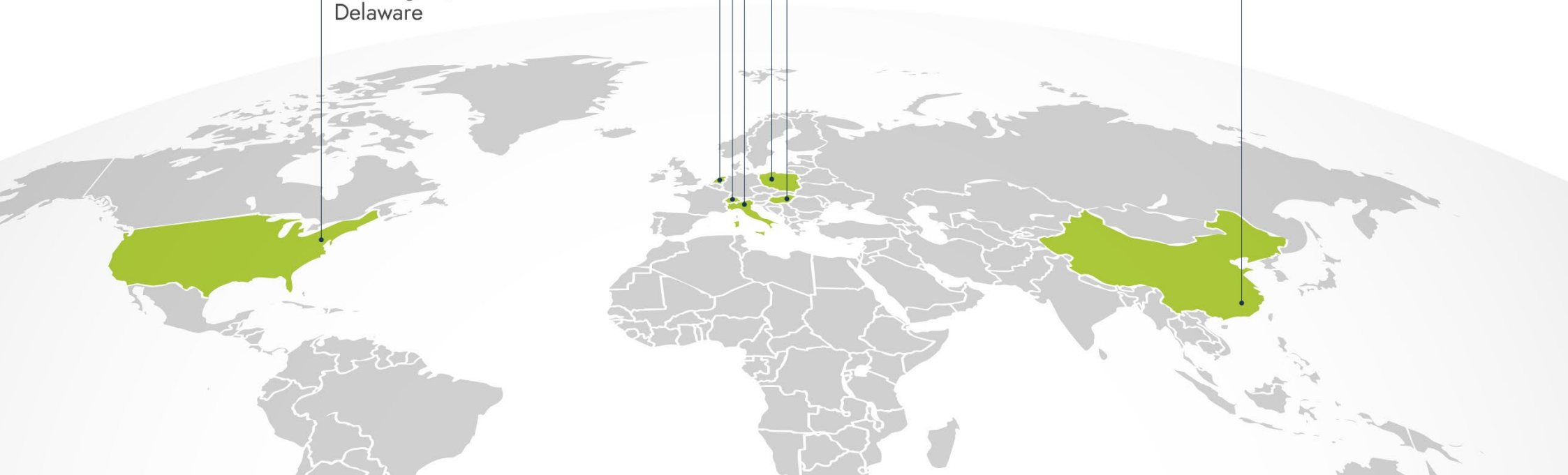
POLAND
HUNGARY

2 PRODUCTION SITES

Masterbatches
Powder blends
Compacted and cold extruded blends
Liquids additives blends

Over 10000 mts/year capacity

CHINA



• Italy • China • Holland • Hungary • Usa • France • Switzerland

GREENCHEMICALS. our physical forms



OUR LABORATORY



>>Twin screw lab extruder 27D

>>Lab molding machine



INSTRUMENT	FUNCTION
Viscometer	Determination of intrinsic or apparent viscosity of polymer solutions for molecular weight control.
Thermal Balance	High-temperature precision weighing for heat-sensitive samples in thermogravimetric analysis.
Izod	Impact testing for dynamic fracture resistance of notched plastic specimens (ISO 180 standard).
Glow Wire	Simulates flammability for glow wire ignition testing (IEC 60695-2-1) on plastic electrical components.
UL Test	UL 94 flammability tests (V0/V1/V2 ratings) for flame retardancy classification of materials.
Density Balance	Measurement of apparent or relative density for filler and polymer foam characterization.
Titration	Automated quantitative analysis of acids, bases, or ionic additives via potentiometric titration.

OUR LABORATORY

In our laboratory we conduct tests and research to guarantee the best quality products, find tailor-made solutions, and innovate with new formulations.



INSTRUMENT	FUNCTION
IR spectrophotometer	Fourier Transform Infrared (FT-IR) spectroscopic analysis for qualitative chemical identification of polymers, additives, and contaminants in plastic materials.
DSC (Differential Scanning Calorimetry)	Measures thermal transitions (T_g , T_m , crystallinity) and thermal stability of polymers and compounds.
TGA (Thermogravimetric Analysis)	Evaluates thermal decomposition, filler content, moisture, and residues in plastic samples.
HPLC (High-Performance Liquid Chromatography)	Separation and quantification of organic additives, oligomers, and impurities in polymers.
Melting Point	Precise determination of melting point for pure polymers or formulations in quality control.
Dynamometer	Tensile, compression, and flexural testing for mechanical characterization (elastic modulus, strength).
Melt Flow Index (MFI)	Measures melt flow rate to assess processability and degree of polymerization.



GREENCHEMICALS TRADING - Our additives range



FLAME RETARDANTS:

● HALOGEN-FREE, LOW HALOGEN
AND ANTIMONY TRIOXIDE FREE

HALOGENATED

● FLAME RETARDANTS, ANTIMONY
TRIOXIDE

● UV ABSORBERS & HALS

● ANTIOXIDANTS

● OPTICAL BRIGHTENERS

● PEROXIDES



● NUCLEATING AGENTS

● PROCESSING AIDS



● MOULD RELEASERS

● CHAIN EXTENDER &
I.V. ENHANCERS

● STABILIZERS

● LUBRICANTS

● ANTI-BLOCK &
ANTI-SPLITTING AGENTS

GREENCHEMICALS TRADING - Market we serve

COMPOUNDERS
(PP, PA, PE, HIPS, ABS,
PC/ABS, TPU, TPV...)



PVC COMPOUNDERS



MASTERBATCHES



ONE-PACK PRODUCERS



COMPOUNDERS & MASTERBATCH PRODUCERS

Halogen free solutions and low Halogen solution for all the polymers.
In powder, powder blends, compacted and cold extruded physical form.

GREENCHEMICALS SOLUTION - Our additives range



MASTERBATCHES

FLAME RETARDANTS

ANTIOXIDANTS AND UV
MASTERBATCHES

PROCESSING AID

NUCLEATING

I.V. ENHANCERS

ANTI-FOG, ANTI-SLIP, ANTI-BLOCK

IMPACT MODIFIER

TAILOR MADE

POWDER BLENDS COMPACTED NDB

FLAME RETARDANTS

ANTIOXIDANTS AND UV

PROCESSING AIDS

PEROXIDES

ORGANIC NUCLEATING AGENTS

MOULD RELEASE

TAILOR MADE

LIQUID BLENDS

FLAME RETARDANTS

ANTIOXIDANTS

STABILIZERS

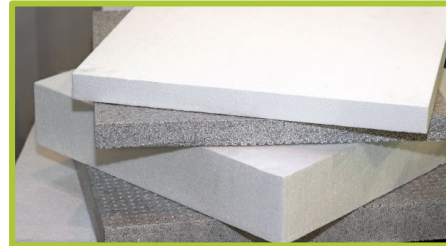
LUBRICANTS

ANTI-DIANTS WATER SOSPENSION

TAILOR MADE



FOAMS



XPS BUILDINGS

- HBCD Free masterbatch solutions
- Nucleating masterbatches
- Processing aid masterbatches
- Color masterbatch



EPS

- Monomeric and Polymeric FR
- Peroxides
- Antioxidants
- Anticaking agents



POLYURETHANE

- Flame retardants
- Catalysts
- Antioxidants



XPE

- Flame retardant masterbatches
- Peroxides masterbatches
- Busters
- Stabilizers
- Processing aid masterbatches



XPS FOOD

- Antistatic masterbatches
- Nucleating masterbatches
- Color masterbatches



POLYMERS PRODUCERS



POLYOLEPHINES PRODUCERS
(PE and PP)



STIRENICS PRODUCERS
(PS, HIPS, ABS, SAN)



RUBBER PRODUCERS



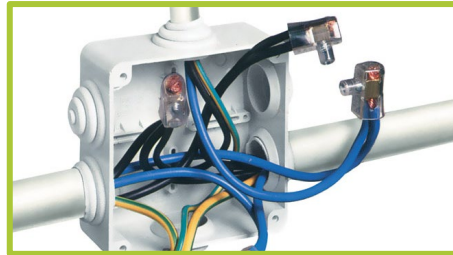
THERMOPLASTIC POLYMERS
PRODUCERS



AGRICULTURAL AND
INDUSTRIAL FILMS

GREENCHEMICALS SOLUTIONS - Market we serve

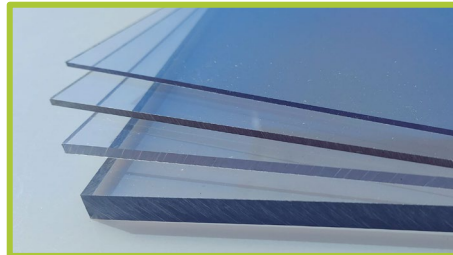
ELECTRICAL APPLICATIONS



POLYURETHANE



PET - PC - HIPS SHEETS



PA - PET FIBRES



**END
USERS**

We offer tailor made solutions of flame retardants and additives,
working on lowering environmental impact and in different physical forms!



**END
USERS**



COATINGS



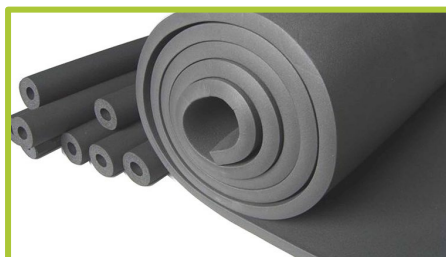
PIPES



WIRES & CABLES



ADHESIVES



PVC – NBR FOAM

GREENCHEMICALS RECYCLING

CHEMICAL-MECHANICAL RECYCLING TECHNOLOGY

We develop reactive solutions for extrusion recycling process, in order to improve the quality of recycled polymers.



Chemical-mechanical technology to recycle HBCD-EPS boards. (Patented)



Chemical-mechanical technology to recycle flame retardant plastics. (Patented)



PRODUCTS

- MB PS HBCD CHILLER
- MB PS POX series (high performance stabilizer for recycled polymers)
- MB PS POX 20.4 series (high performance stabilizer for recycled polymers containing flame retardants)
- GC ULTRASTAB (stabilization package for flame retardant compound)
- MB PA ED73 (stabilization package for halogen free flame retardant polyamide)



GREENCHEMICALS RECYCLING



CHEMICAL-MECHANICAL RECYCLING



Greenchemicals built the first **PET DEPOLYMERIZATION PLANT**, combining the technologies of chemical and mechanical recycling and starting from the dirty flakes coming directly from the landfill.

The resulting product is a POLYESTER OLIGO-POLYOL that can have many applications (PU, adhesives, coating, paints...):

OLPET

Our achievements

HALOGEN FREE OR LOW HALOGEN SOLUTIONS

- PP V0**
 - GC PP HF 1000
 - GC PP HF 200
 - GC PP FLAM V0
- PP V2**
 - GC DRIPP HF 70
- PA V0**
 - GC PW V0 PAP12
 - GC PW V0 PAP14
 - GC PW V0 PAP40 ST
- PC V0**
transparent
 - GC PC V0 HF90
- HIPS V2**
 - GC TIME PLUS

RECYCLING TECHNOLOGY

- PET CHEMICAL MECHANICAL RECYCLING: GC OLPET PACK
- XPS FOOD RECYCLING PROJECT: ORACLE
- MECHANICAL PROPERTIES POLYMER RECYCLING IMPROVEMENT:
 - GC MB POX 20
 - GC MB POX 20-4

HBCD CONCERNS

- HBCD free solutions for **XPS, XEPS, EPS**
- HBCD CHILLING RECYCLING TECHNOLOGY (**GC HBCD CHILLER®**)

ATO (Antimony Trioxide) FREE

AT ZERO RANGE
for PA, PP, PE, HIPS, PVC

CONCERNING MOLECULES REPLACEMENT

- GC UV 326 FREE 26 → GC UV GREEN
- GC TCPP → GC HYPER TEP DIFFERENT
- GC DPE 81 SOLUTIONS →
- GC BDDP68 SOLUTIONS → DIFFERENT

NEW PHYSICAL FORMS AVAILABLE FOR HALOGEN FREE SOLUTIONS:

- COMPACTED
- COLD EXTRUDED PELLETS



In 2024 Greenchemicals Srl's family expanded with the acquisition of Polichem. Together, the two companies are marking a pathway in the plastics world toward innovation and sustainability.

POLICHEM DEVELOPS INNOVATIVE ADDITIVES FOR THE PA AND PET APPLICATIONS, ENHANCING SUSTAINABILITY IN PRODUCTION CYCLES AND DELIVERING EFFICIENCY WITH A GREENER IMPACT.

Polichem's range includes: nucleating agents, chain extenders, lubricants, processing aids, stabilizers, and mould releasers.



Addibatches is our branch fully dedicated to functional additives for **industrial film**, **agricultural applications** and **food packaging sectors**.

We source raw materials, directly from producers. This brings many advantages:

- We are always sure about the quality and the source of the additive;
- We always have a large stock of raw materials, so we can produce masterbatches in a very short time;
- We reduce logistics to guarantee a more environmentally friendly and cheaper products.

We produce only Polyethylene masterbatches:

- We have dedicated extrusion lines for a high-quality production;
- We have a high level and dedicated laboratory



Addibatches' range includes: anti-blocking, antistatic, processing aids, slip agents, stabilizers, cleaning aids, anti-mist solutions.

From 2022 Greenchemicals has obtained the distribution of **NOFIA FRX products**: Halogen free polymeric flame retardants.

These flame retardants can be homopolymers, copolymers or oligopolymers.

THEY HAVE SEVERAL ADVANTAGES:

- They are Halogen Free
- They have a low environmental impact
- They are chemically more resistant
- They don't migrate
- They are available on the market
- They are low cost



NOFIA RANGE:

PRODUCT	APPLICATIONS
NOFIA CO 6000	Polycarbonate & Polycarbonate Blends
NOFIA HM 1100, HM 9000 & HM7000	PET, PTT, PBT, PLA, PC, TPU, TPEE
NOFIA HM 5000	PET, PBT, TPE, TPU, UPE
NOFIA OL 1000	Polyurethanes





We started
carbon footprint processes

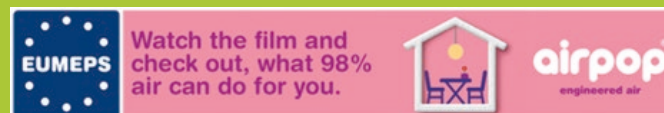
Greenchemicals complies with REACH, CLP, SVHC, Food Contact, RoHS regulations.

QUALITY MANAGEMENT SYSTEM

Greenchemicals decided to adopt a Quality Management System (QMS) of ISO 9001 to improve the ability to integrate and coordinate all activities associated with the quality.

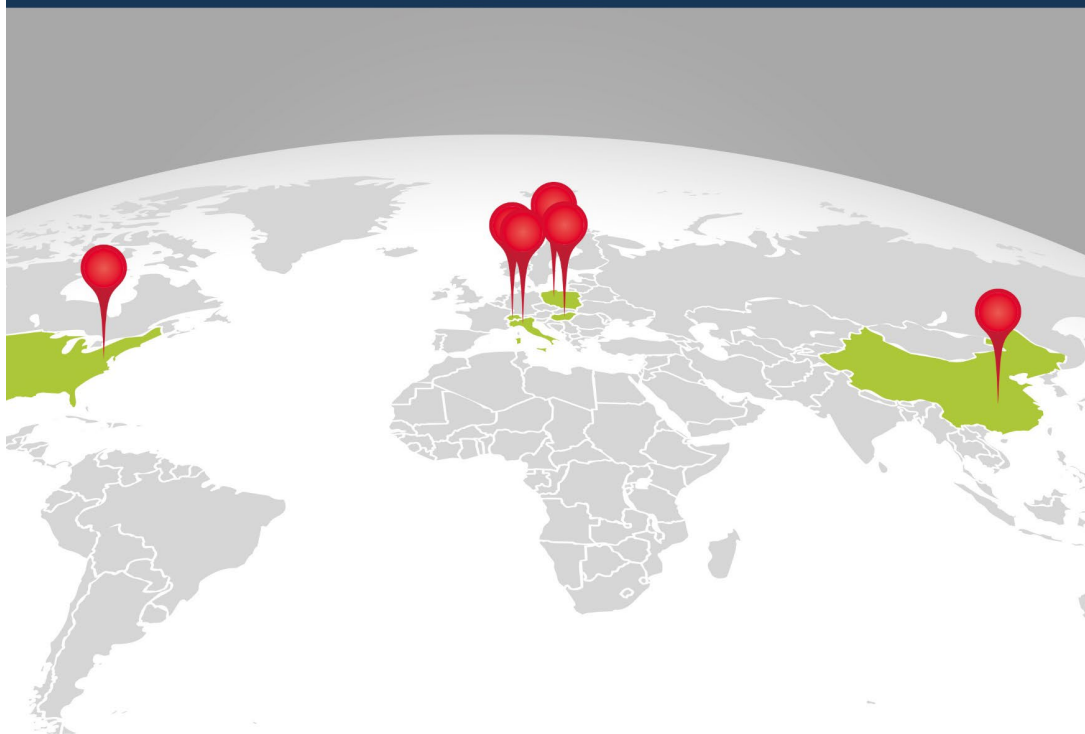


Membership:



Where We Are in the world

Contact Us!



HEADQUARTERS (ITALY):

GREENCHEMICALS - Desio (MB)
info@greenchemicals.green
salesteam@greenchemicals.green

POLICHEM - Garlasco (PV)
visintin@greenchemicals.green

SWITZERLAND

Lugano
info@greenchemicals.green

HUNGARY

andras.nagy@greenchemicals.green

POLAND

dariusz.koloszyc@greenchemicals.green

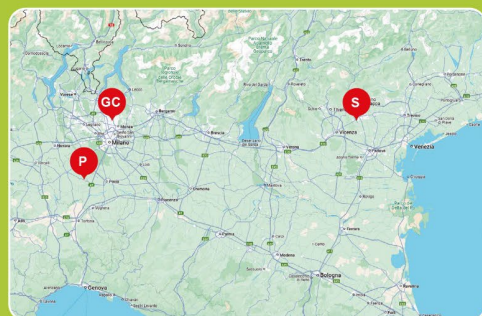
CHINA

steve.zhang@greenchemicals.green

USA

Wilmington - Delaware
andras.nagy@greenchemicals.green

Where We Are in Italy:



GREENCHEMICALS Srl
HEADQUARTERS
Via Laboratori Autobianchi, 1
20832 Desio (MB), IT

POLICHEM
Production site and laboratory
Viale G. Natta, 12 - 27026 Garlasco (PV), IT

SETA
Production site
Via A. Velo, 4 - 35014 Fontaniva (PD), IT

info@greenchemicals.green
salesteam@greenchemicals.green
Tel. +39 0362 1547305
www.greenchemicals.eu



 : /greenchemicals

 : /polichem



Company Profile