

# Cutting-edge cleaning solutions for PET Recycling Processes

*Reduce up to 20% in energy consumption,  
wastewater and costs*



**BASF**

We create chemistry

**Chemetall**

expect more<sup>+</sup>



# Delivering a clean breakthrough for you.

Washing and wastewater treatment are crucial components of the PET recycling process. They determine the quality of the PET flake output, the facility's energy and resource consumptions, as well as the impact of the recycling process to the environment.

Chemetall offers formulated and integrated cleaning agents, aimed at enhancing quality, productivity and safety of your PET recycling processes. Our products **Gardoclean®**, **Gardobond®-Additive**, **Gardo® Pure** and **Gardofloc®** are set to be the gold standard in optimizing the washing and wastewater treatment processes.

## Expect More <sup>+</sup>

### RELIABLE EXPERT SUPPORT

Our team of global experts work closely with local technical specialists to provide tailor-made support to customers.

### SUSTAINABLE PRODUCTS

We are harnessing innovative chemistry to minimize the impact of industrial processes to the environment.

### HIGH QUALITY AND CONSISTENCY

Chemetall's solutions guarantee processed PET flakes that meet the most stringent quality regulations and are compatible with food industry standards.

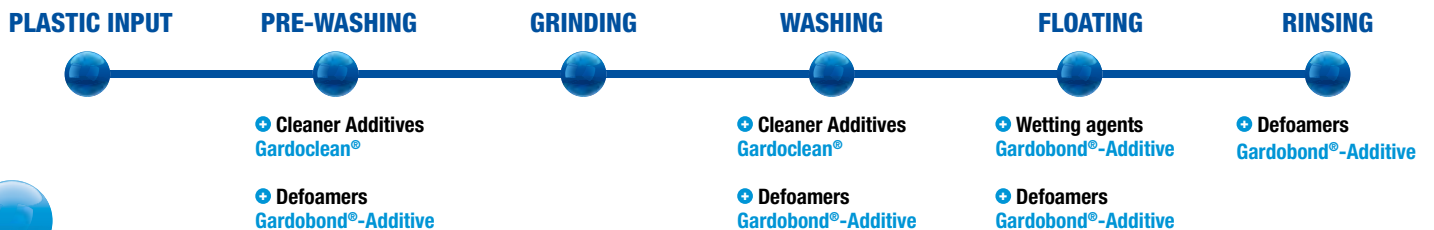
### COMPREHENSIVE SOLUTIONS

Our complementary suite of products—cleaning solution, wetting agent and defoamer—covers the entire washing and wastewater treatment process.

### COST-EFFECTIVE PROCESSES

Our products are specially formulated to reduce chemical usage, lessen water consumption and save energy.

## Washing Process



## Water Treatment Process





# Taking Plastic Recycling to the Next Level with a *Dedicated Team*



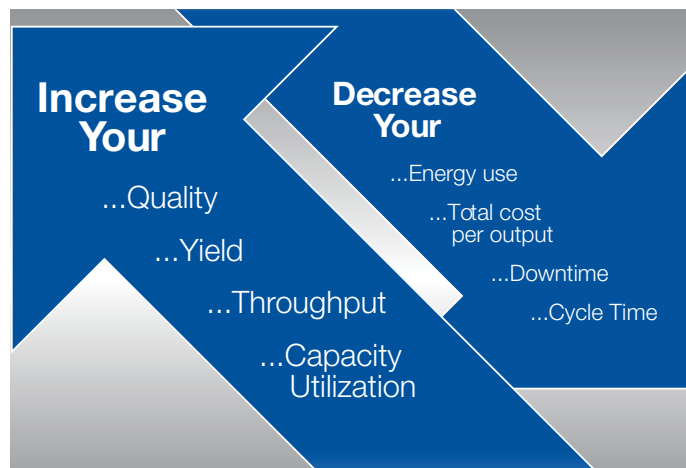
## Key Product Benefits

		<p>Thorough cleaning <b>WITHOUT FOAMING</b></p>	<p><b>COMPATIBLE</b> with all types of washing equipment</p>
<p>Maintains <b>HIGH CLEANING EFFICACY</b> even at a temperature of <b>65 DEGREES CELSIUS</b></p>	<p><b>INCREASES</b> bath shelf life by <b>2 TO 3 TIMES</b></p>	<p>Increases <b>OCCUPATIONAL SAFETY</b></p>	<p>Surfactants are <b>BIO-BASED</b> (not synthetic origin)</p>
<p>Contains <b>SPECIAL MODIFIED AGENTS</b> that reduce re-deposition of pollutants</p>	<p>Reduces the footprint of <b>CO<sub>2</sub> EMISSIONS &amp; WATER CONSUMPTION</b></p>	<p>Solutions are applicable to optimize <b>PET/PP/PE (HDPE-LDPE)</b> washing process</p>	<p>Contains special surfactants to <b>EFFICIENTLY REMOVE LABELS,</b> glue and other residue from plastic surfaces</p>

**Cut it. Clean it. Coat it. Control it. Conserve it.® with us!**

## Passion for Continuous Innovation

Striving to develop reliable solutions for the PET plastic recycling market, the Chemetall brand is synonymous with innovation and product quality. Chemetall is the Surface Treatment global business unit of the Coatings division of BASF, the largest chemical producer in the world. With over 40 facilities globally, Chemetall is a leading supplier of applied surface treatments for metal, glass and plastic substrates, used in a vast range of industries and end-markets.



**Our Dedicated Team in Plastic Recycling is here for Your Success.**

## Increase your productivity by working with us



Thomas Willurreit



Laurent Couvreur

- Over 20 years of experiences in plastic recycling
- Full range and portfolio of knowledge in plastics production and recycling
- Solutions for tailored processes in various plants with different setups
- Holistic process design from start to end
- We bring the combined knowledge of cleaning and wastewater treatment to your benefit!



Andrea Monti



Carlo Bouwmeester



Denis Savchenko



Roberto Cetti



Vincenzo Carcò

## Chemetall is proud to serve you from the following locations

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