

Cutting-edge cleaning solutions for Mechanical Plastics Recycling

*Add value and significantly increase
your sustainability*



 **BASF**
We create chemistry

Chemetall
expect more 



Delivering a clean breakthrough for you.

Washing and wastewater treatment are crucial components of the plastics recycling process. They determine the quality of the plastic 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 plastics 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 +

- + RELIABLE EXPERTISE
- + SUSTAINABLE PRODUCTS
- + HIGH QUALITY AND CONSISTENCY
- + COMPREHENSIVE SOLUTIONS
- + PROGRAMS THAT REDUCE PROCESS COSTS
- + COMPATIBLE WITH THE FOOD INDUSTRY REQUIREMENTS



Washing Process



Water Treatment Process





Taking plastics recycling to the next level with a dedicated team.

Key program benefits and product.

COMPATIBLE

with all types of washing equipment

Thorough cleaning with
FOAM MINIMIZATION

Bath life
EXTENSION
by
2 TO 3 TIMES

Increases
OCCUPATIONAL SAFETY

BIO-BASED
surfactants
(not synthetic origin)

Contains
PROPRIETARY SURFACE ACTIVE AGENTS
that reduce re-deposition of pollutants and inks

Reduces the carbon footprint by reducing
CO₂ EMISSIONS.
Adds to water conservation by reducing overall water usage

Sustainable
DE-INKING SOLUTION
of the ink in the polymer

Contains special cleaning agents to
EFFICIENTLY REMOVE LABELS,
glue and other residue from plastic surfaces

Maintains
HIGH CLEANING EFFICACY
even at a temperature of
65 DEGREES CELSIUS

COMPATIBILITY WITH THE FOOD INDUSTRY REQUIREMENTS
in all regions

Innovative to enable efficient
DELAMINATION OF MULTILAYER PLASTICS

Completely
SILICONE FREE PROCESS

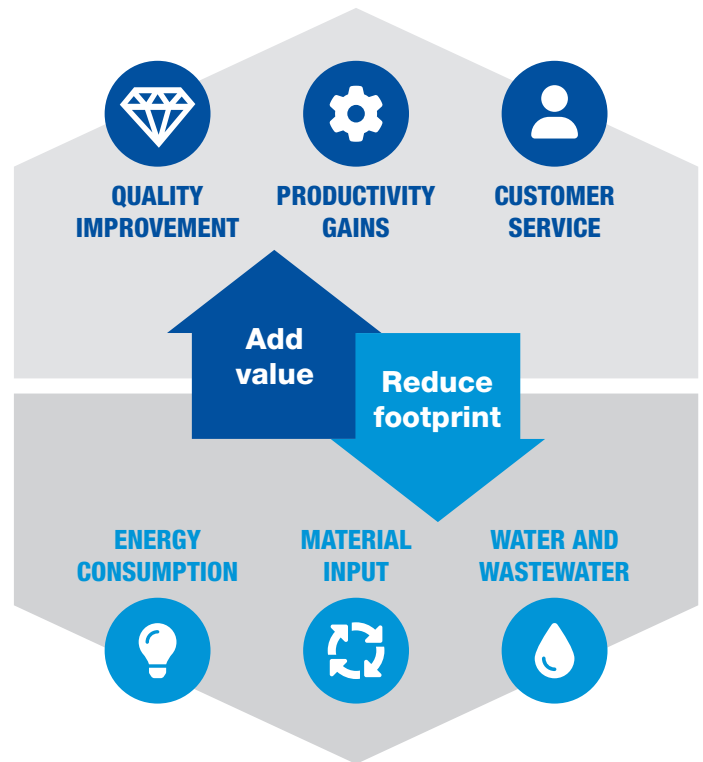
Improve the mechanical plastics recycling process with Chemetall by adding value and reducing your CO₂ footprint at the same time.

Sustainable value added

- ⊕ Formulated and integrated cleaning agents to enhance the quality, productivity and safety of your plastics recycling process.
- ⊕ We are process experts and dedicated to improve your productivity and efficiency with our excellent technical customer support.
- ⊕ Increase the plastics flake output and meet the food industry standards.

Significant footprint reduction

- ⊕ Our products enable a lower CO₂ footprint. Reduce the chemical usage and water consumption.
- ⊕ Lower your facility's energy and resource consumptions (decrease washing temperature by 10 to 20 °C).
- ⊕ Effectively purify your wastewater and recirculated into the process.



OVER 20 YEARS OF EXPERIENCE IN PLASTIC RECYCLING

- ⊕ Chemetall brings the portfolio, experience and support to maximize your process efficiency.
- ⊕ Solutions for tailored processes in various plants with different setups.
- ⊕ Holistic process design from start to finish.
- ⊕ We vertically integrate the cleaning and wastewater treatment processes to maximize cost effectiveness, efficiency and capability of cleaning and wastewater treatment to your benefit!

Chemetall is proud to serve you from the following locations

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