



ADVANCED RECYCLING CHEMICALS

LANDCLEAN

Specialty Washing Chemicals

Specialty wash additives for PET, HDPE, LDPE and PP recycling lines.



— WELCOME

Let's Start Here

We specialize in the development and manufacturing of high-performance recycling chemicals designed for modern plastic recycling operations.

Our specialty washing additives and process chemicals are engineered to improve contamination removal, optimize washing performance, reduce operational costs, and support high-quality recycled plastic production.

- With solutions developed for PET, HDPE, PP, and LDPE recycling applications, our products help recyclers achieve superior cleaning efficiency while reducing water consumption, foam generation, and process instability.

Our chemical technologies are suitable for:

• PET Bottle Recycling • HDPE Regrind Washing • PP Recycling Applications • LDPE Film Recycling • Food-Grade Recycling Systems • Industrial Plastic Recovery Operations

About Landmark Chemicals

LANDCLEAN Range

PET Wash

HDPE Wash

LDPE Film Wash

PP Wash

Special Additives

Quality Support

Result Snapshots

Product Matrix

Contact

Advanced Recycling Chemistry for Industrial Applications

LANDCLEAN specialty recycling chemicals are developed to improve washing performance, glue removal efficiency, flake brightness, and process stability in industrial recycling systems.

Our formulations support modern recycling plants operating under demanding production conditions while helping reduce foam generation, water consumption, and unnecessary chemical usage.



Why Recycling Companies Choose Us

Our recycling process additives are engineered to support efficient industrial washing performance while minimizing foam generation, improving contaminant removal, and optimizing operational efficiency. Our formulations help recyclers achieve stable production performance and improved recycled material quality across demanding processing environments.



Advanced Low-Foam Technology
Designed to reduce excessive foam formation and improve washing line stability.



Optimized Cleaning Performance
Efficient removal of adhesive residues, oils, dirt, labels, and surface contamination.



PET Recycling

Chemicals for label glue removal, oil removal, brightness improvement and hot wash performance.

LDPE Recycling

Pre-wash and cold wash solutions for films, bags and flexible packaging waste.

PP Recycling

Process additives engineered for PP regrind and LDPE film recycling applications.

HDPE Recycling

Specialized degreasing and washing chemistry for rigid, FMCG, and industrial HDPE recycling.

Process Performance & Operational Efficiency

Our recycling chemical solutions are engineered to improve washing performance, contamination removal, and process consistency across industrial recycling systems. The formulations are designed to optimize operational efficiency while reducing water consumption, chemical load, and foam generation during recycling operations.

By improving cleaning stability and reducing process variability, our specialty additives help recyclers achieve better flake quality, improved washing efficiency, and more reliable production performance. Our solutions are suitable for high-capacity recycling facilities and export-oriented recycled plastic production systems.

- Improved Glue Removal
- Better Flake Whiteness
- Reduced Foam Generation
- Stable Washing Performance
- Lower Water Consumption
- Enhanced Cleaning Efficiency

Optimized Recycling Performance

Our specialty recycling additives are engineered to improve washing consistency, contaminant removal, and recycled material appearance across industrial recycling systems.

The formulations support efficient cleaning performance while helping recyclers achieve stable production operation and improved process reliability.

Efficient cleaning performance helps improve flake brightness, reduce yellowing, and support high-quality recycled plastic production.

The solutions are suitable for modern recycling operations requiring advanced washing efficiency, reduced foam generation, improved rinse performance, and optimized material recovery.

Our chemistry technologies are developed for demanding industrial recycling environments and export-oriented recycled material production.

Our process additives are developed to support operational stability while reducing chemical load and improving industrial washing efficiency.



PET HOT WASH ADDITIVES

• Fiber Grade • Food Grade • Bottle-to-Bottle Grade



LANDCLEAN™-1100

Fiber Grade PET Washing Additive

Designed for fiber-grade PET flakes washing applications. Efficiently removes dirt, soil, dust, and light surface contamination from PET flakes during hot washing operations.



LANDCLEAN™-1200

Advanced PET Degreasing Additive

Entry-level advanced washing chemistry developed for removal of oils, residues, adhesive contamination, and difficult dirt deposits from PET flakes.



LANDCLEAN™-1300

Premium Food-Grade PET Washing Additive

High-performance PET hot wash additive engineered for removal of foul odors, chemical contamination, oil residues, microbial contamination from heavily contaminated PET waste streams.



PP WASHING CHEMICALS

• PP Regrind Washing • Post-Consumer PP Recycling • Industrial PP Cleaning



LANDCLEAN™-PPW

PP Regrind Cleaning Additive

Entry-level PP washing additive for PP buckets, regrind, and rigid PP recycling applications.



LANDCLEAN™-PPWP

Advanced PP Odor Reduction Additive

Mid-range PP washing chemistry developed for removal of residues, oils, and light odors from industrial PP waste streams.



LANDCLEAN™-PRO

Premium Industrial PP Washing Additive

High-performance PP washing additive designed for heavily contaminated industrial PP waste containing paints, oils, chemicals, and difficult residues.



HDPE WASHING CHEMICALS

• HDPE Rigid Wash • HDPE Industrial Waste Wash • HDPE FMCG Wash



LANDCLEAN™-800

HDPE Basic Cleaning Additive

Entry-level washing additive developed for HDPE regrind, FMCG bottles, dairy bottles, and drum washing applications.



LANDCLEAN™-900

HDPE Odor Reduction Additive

Advanced HDPE washing chemistry developed for removal of light odors, dirt, oil residues, and medium contamination from HDPE waste streams.



LANDCLEAN™-1000

Premium Industrial HDPE Washing Additive

High-performance HDPE washing chemical engineered for removal of strong odors, chemical residues, oil contamination, and industrial waste contamination.



LDPE FILM WASHING CHEMICALS

• Industrial Grade • Pharma Grade



LANDCLEAN™-LDW

LDPE Film Cleaning Additive

Entry-level washing additive for LDPE films, bags, and flexible packaging waste.



LANDCLEAN™-LDWP

Advanced LDPE Degreasing Additive

Mid-range LDPE washing chemistry developed for removal of glue residues, ink contamination, light odors, and sticky residues from film waste.



LANDCLEAN™-150

Premium Industrial Film Washing Additive

High-performance film washing additive developed for industrial, pharmaceutical, and chemical-contaminated LDPE waste streams.



SPECIALTY PROCESS ADDITIVES

• Anti-Foaming Agents • Wetting Agents • Process Enhancers



LANDSURF™

Advanced Wetting & Penetration Agent

Improves chemical penetration, surface wetting, and contaminant lifting efficiency during washing operations.



LANDDEFOAM™

Industrial Anti-Foaming Additive

High-efficiency anti-foaming additive developed for stable recycling plant operation and controlled foam generation.



LANDCAUSTIC™

Industrial Caustic Soda Supply

High-purity caustic soda solution suitable for PET, HDPE, PP, and LDPE recycling operations.

Industrial Recycling Applications

Advanced recycling chemistry solutions engineered for demanding industrial recycling operations requiring efficient contaminant removal, process stability, and improved recycled material quality.

Our specialty recycling additives are developed for PET, HDPE, PP, and LDPE recycling systems operating under various industrial processing conditions. The formulations support optimized washing efficiency, reduced foam generation, improved rinsing performance, and enhanced recycled material appearance.



Advanced Recycling Process Chemistry

The formulations are engineered to support stable industrial recycling operations while improving washing efficiency, contaminant removal performance, and recycled material cleanliness.

High-quality Products

Suitable for advanced recycling systems focused on high-purity recycled material processing.

Process Efficiency

Optimized formulations supporting improved washing stability and operational consistency.

Reduced Process Loss

Engineered to support efficient washing performance and controlled chemical consumption.

PET Bottle Recycling

Hot wash and cold wash chemistry for food-grade, fiber-grade, and bottle-to-bottle recycling applications.



BEFORE WASH



NAOH ONLY WASH



LANDCLEAN™ WASH

HDPE Recycling

Specialized washing chemistry for rigid plastics, FMCG packaging, and industrial HDPE waste streams.



BEFORE WASH
(HDPE DRUMS)



AFTER WASH LANDCLEAN™
(HDPE DRUMS)

PP & LDPE Recycling

Efficient process additives developed for polypropylene regrind and LDPE film washing operations.



BEFORE WASH
(PP WHITE)



AFTER WASH LANDCLEAN™
(PP WHITE)

WHY LANDCLEAN

Why is LANDCLEAN Worth It?



LANDCLEAN is specially developed to improve PET flakes cleanliness, brightness, and washing efficiency while helping recyclers reduce operational costs and water consumption.

Our advanced washing formulation helps remove glue residues, labels, dirt, oil contamination, and impurities from PET flakes during the hot washing process. The product is designed for modern PET recycling plants aiming to achieve higher-quality flakes suitable for fiber-grade and food-grade recycling applications.

Summary of The Benefits

- Improves PET flakes shine and whiteness
- Helps reduce glue contamination
- Optimizes washing performance
- Reduces excessive caustic consumption
- Supports efficient recycling operations
- Compatible with industrial PET washing systems

LANDCLEAN Advantages

LANDCLEAN is engineered to provide stable and reliable washing performance under industrial operating conditions. Its formulation helps improve contamination removal efficiency while supporting reduced water usage and improved operational productivity.

Suitable for Multiple Applications

- PET bottle recycling plants
- Fiber-grade PET flakes production
- Food-grade PET recycling processes
- Hot washing systems
- Industrial plastic recycling facilities

PERFORMANCE DATA

Operational Benefits of LANDCLEAN

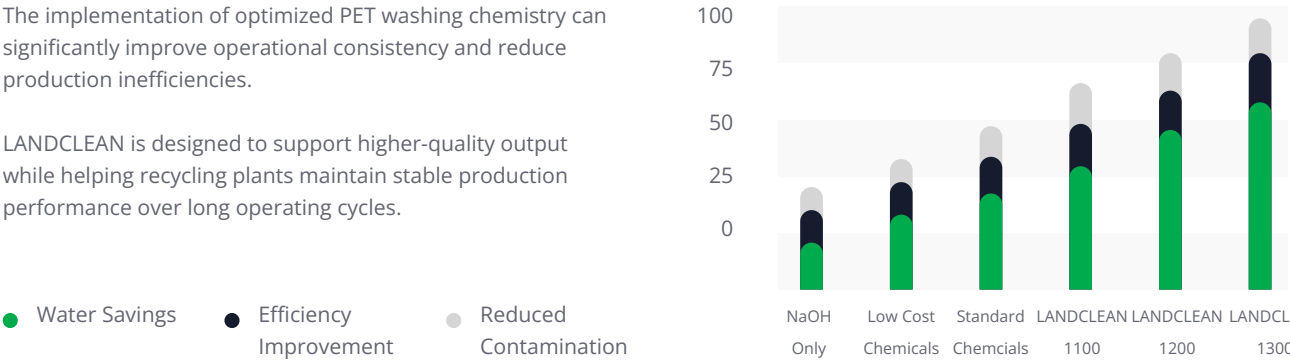
LANDCLEAN helps PET recyclers improve washing efficiency while reducing unnecessary operational expenses related to water usage, chemicals, and energy consumption.

The following comparison represents typical operational improvements observed during industrial PET flakes washing processes.

Performance Parameter	NaOH Only	Low-Cost Chemical	Standard Surfactant Wash	LANDCLEAN™
Dirt & Soil Removal	Good	Good	Very Good	Excellent
Glue Removal	Fair	Fair	Good	Excellent
Oil & Grease Removal	Fair	Good	Good	Excellent
Odor Reduction	Poor	Fair	Good	Excellent
Chemical Contamination Removal	Poor	Poor	Fair	Excellent
Flake Brightness	Fair	Good	Good	Excellent
Consistency of Results	Moderate	Moderate	Good	Excellent
Suitable for Premium rPET Production	No	Limited	Moderate	Yes

The implementation of optimized PET washing chemistry can significantly improve operational consistency and reduce production inefficiencies.

LANDCLEAN is designed to support higher-quality output while helping recycling plants maintain stable production performance over long operating cycles.





— LET'S DISCUSS YOUR RECYCLING REQUIREMENTS

Contact Us Now

Our technical team is ready to support your recycling operations with advanced washing chemistry solutions designed for improved cleaning performance, stable production, and reduced operational costs.



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