



PULIRE
BIOSYSTEMS
PVT LTD



Pulire® Pro Range User Manual

The Pulire Pro Range is a complete line of professional-grade cleaning and hygiene solutions designed for restaurants, hotels, hospitals, institutions, and commercial facilities. Each product is engineered to deliver high performance, safety, and cost efficiency when used as recommended.

This manual provides guidance on correct usage, surface compatibility, and safety standards to ensure optimal results and compliance.

KITCHEN CARE PRODUCTS

PULFRESH P11

Pulfresh P11 is a strong alkaline cleaner and disinfectant designed for removal of:

- Heavy grease & oil
- Food residues
- Protein & fat buildup
- Carbonized kitchen soil
- Suitable for kitchens, food preparation areas & back-of-house cleaning
- Professional-grade disinfection of hard surfaces

⚠ Not acidic – NOT a descaler

Chemical Compatibility (CRITICAL SAFETY RULES)

✗ NEVER MIX WITH OTHER CHEMICALS

Because of its high alkalinity (pH 11–12), P11 must never be mixed with:

Acidic cleaners (P7, P12, P15, descalers)

Bleach / Hypochlorite

Ammonia

Phenyl

Chlorine-based disinfectants

⚠ Mixing alkali with acids causes violent neutralization & splashing

⚠ Mixing with bleach may release toxic fumes

Standalone Use – RECOMMENDED

✓ Pulfresh P11 is a cleaner + degreaser + disinfectant in one

✓ No additional disinfectant required for non-food contact surfaces

✓ Rinsing with potable water is mandatory on food-contact areas

Surface Compatibility (pH 11–12)

✓ COMPATIBLE SURFACES

Stainless steel (SS 304/316) ✓ Excellent Rinse after use
Ceramic tiles ✓ Excellent Removes greasy film
Vitrified tiles ✓ Safe Maintains traction
Kitchen floors ✓ Excellent Anti-slip when rinsed
Exhaust hoods & ducts ✓ Excellent Degreasing action
Ovens (external surfaces) ✓ Safe Avoid heating elements
Plastic crates & bins ✓ Safe Dilute if needed

⚠ USE WITH CAUTION

Surface Risk Instruction

Aluminum ⚠ Short contact, dilute
Chrome-plated fittings ⚠ Rinse immediately
Painted surfaces ⚠ Spot test
Rubber seals ⚠ Avoid soaking

✗ NOT COMPATIBLE SURFACES

Marble / granite Alkali etching
Brass & copper Oxidation
Acrylic & polycarbonate Surface stress
Wooden surfaces pH damage

How to Use Pulfresh P 11

Spray cleaning and disinfection:

Spray Application

1. Fill 50% of Pulfresh P11 in a spray bottle. Use undiluted in case of tough stains
2. Spray the solution on the surface and leave it for 1-2 minutes.
3. Wipe the surface well with water
4. Re-spray the solution if needed, and leave it for 1 minute. Agin wipe the surface well and rinse and then allow to air dry

This dosage is according to optimal conditions, recommendations may vary, please consult our sales rep.

7475 GRILL SHINEX

7475 Grill Shinex is a very strong alkaline cleaner formulated for Removal of:

- Carbonized grease
- Burnt-on food residues
- Baked fats & oils
- Heavy smoke stains
- Designed for:
- Ovens
- Grills
- Tandoors (metal parts)
- BBQ equipment

Not a descaler

Professional & industrial use only

⚠ Not for daily casual cleaning

Chemical Compatibility (CRITICAL SAFETY RULES)

✗ STRICTLY DO NOT MIX WITH ANY CHEMICAL

Because of very high alkalinity (pH 12–13), Grill Shinex must never be mixed or used immediately after:

Acidic cleaners (P7, P12, P15, descalers)

Bleach / Hypochlorite

Ammonia-based products

Chlorine disinfectants

Phenyl

⚠ Alkali + acid → violent neutralization, splashing & heat

⚠ Alkali + bleach → toxic fumes

✓ Standalone Use ONLY

✓ Use Grill Shinex alone

✓ One product per cleaning cycle

✓ Rinsing with potable water is mandatory

Surface Compatibility (pH 12–13)

✓ COMPATIBLE SURFACES

Stainless steel grills ✓ Excellent Restore shine after rinse

Cast iron grills ✓ Yes Dry thoroughly after rinse

Oven interiors (metal) ✓ Excellent Do not heat during cleaning

BBQ grates ✓ Excellent Rinse & dry

Exhaust filters (metal) ✓ Yes Soak & rinse

⚠ USE WITH CAUTION

Surface Risk Instruction

Aluminum ⚠ High Dilute, short contact

Chrome-plated parts ⚠ Spot test, rinse immediately

Painted oven exteriors ⚠ Avoid direct application

Rubber seals & gaskets ⚠ Avoid soaking

✗ NOT COMPATIBLE SURFACES

Surface Reason

Glass oven doors Alkali etching

Enamel coatings Dull & peel

Non-stick coatings Coating destruction

Plastic knobs & panels Melting / stress

Brass & copper Oxidation

Marble / stone surfaces Alkali damage

How to Use 7475 Grill ShineX

Ovens /grill cleaning

1. Ensure temperature of surface is less than 80°C (optimum 60-80°C).
2. Spray undiluted product direct onto surface or equipment (recommended to use foam trigger with extension lance).
3. Leave for 15-25 minutes depending on the level of soiling.
4. Remove loose deposit with a scourer or brush.
5. **Rinse well with clean, hot water and allow to air dry.**

Fryer cleaning

1. Drain oil and close valve.
2. Fill with water to almost oil fill level.
3. Add 1.5 litres of 7475 Grill ShineX for every 10 L of water
4. Turn on fryer and bring to a controlled boil for 15-30 minutes.
5. After cooling and draining, scrub remaining residues from side walls and heating elements with a scourer or brush.
6. **Rinse well twice with clean, hot water and allow to air dry.**

Grill extractor cleaning

1. Dismantle the grill extractor.
2. Use 7475 at a minimum concentration of 50 ml per litre in hot water
3. Leave for 15-60 minutes.
4. **Rinse well with clean water and allow to air dry.**

This dosage is according to optimal conditions, recommendations may vary, please consult our sales rep.

7475 DEGREASER 100

Degreaser 1000 is a high-alkaline degreaser (pH 11–13) formulated using:
Advanced non-caustic alkaline builders
Emulsifiers & surfactants
Grease-cutting solvents (non-corrosive)

- ⊘ Does NOT contain caustic soda (Sodium Hydroxide / NaOH)
- ⊘ Does NOT contain potassium hydroxide

Why Degreaser 1000 Is SAFE FOR ALUMINIUM

🔥 Typical Aluminium Risk

Most high-pH degreasers damage aluminium because they contain:

Caustic soda

Potassium hydroxide

These react aggressively with aluminium, causing:

Blackening

Pitting

Hydrogen gas release

Surface erosion

Surface Compatibility

✅ COMPATIBLE SURFACES

Aluminium sheets ✅ Safe No blackening

Aluminium exhaust filters ✅ Excellent Ideal application

Aluminium utensils (industrial) ✅ Safe Rinse after use

Stainless steel ✅ Excellent No residue

Ceramic & vitrified tiles ✅ Excellent Degreasing

Plastic & HDPE ✅ Safe Dilute if required

⚠ USE WITH STANDARD CARE

Surface Instruction

Anodized aluminium Spot test recommended

Painted aluminium Avoid prolonged contact

Soft alloys Short dwell time

✗ NOT COMPATIBLE

Surface Reason

Copper & brass Alkaline oxidation

Acrylic & polycarbonate Stress cracking

Natural stone Alkali damage

Safety & Handling

Gloves recommended

Avoid eye contact

Good ventilation

Store away from acidic cleaners

Do not mix with bleach

How to Use 7475 Degreaser 100

General degreasing of cooker tops and ovens:

1. Ensure that the surface temperature is lower than 70°C., best around 60°C.
2. Spray 7475 Degreaser 100 on the surface with the foam trigger.
3. Leave for 10-30 minutes depending on soiling.
4. Remove loose deposits with scourer.
5. **Rinse well with clean water and allow to air dry.**

Boiling vessels and bratt pans:

1. **Isolate gas / electric supply.**
2. Drain and remove any contents.
3. Spray directly on to surface.
4. Leave for 10-30 minutes depending on soiling.
5. Scrub / scour internal surfaces clean.
6. **Rinse with clean water, drain and allow to air dry.**

This dosage is according to optimal conditions, recommendations may vary, please consult our sales rep.

PULFRESH P8

Pulfresh P8 is a mild alkaline, multi-surface general purpose cleaner designed for:

Daily cleaning of:

Light grease

Dust & soil

Smudges & fingerprints

General surface contamination

Suitable for offices, institutions, retail, hotels & common areas

Low-odor and surface-safe for frequent use

✓ **Ideal where strong acids or heavy alkalinity are not required**

Chemical Compatibility (SAFETY RULES)

✗ DO NOT MIX WITH OTHER CHEMICALS

Even though P8 is mild, it must never be mixed with:

Acidic cleaners (P7, P12, P15)

Bleach / hypochlorite

Ammonia

Phenyl

Strong degreasers

⚠ **Mixing reduces performance and may cause fumes**

Standalone Use – RECOMMENDED

✓ Pulfresh P8 is a single-step cleaner

✓ No disinfectant needed for low-risk areas (unless specified)

✓ Simple water rinse or wipe after use

Surface Compatibility (pH 9–10)

✓ COMPATIBLE SURFACES

Ceramic tiles ✓ Excellent Daily use

Vitrified tiles ✓ Excellent Maintains shine

Marble & granite ✓ Safe Proper dilution

Wooden laminates ✓ Safe Damp wipe only

Plastic surfaces ✓ Safe No stress

Stainless steel ✓ Safe Streak-free

Glass & mirrors ✓ Safe No etching

Painted walls ✓ Safe No fading

⚠ USE WITH STANDARD CARE

Surface Instruction

Aluminium Rinse after cleaning

Rubber flooring Dilute properly

Acrylic surfaces Avoid abrasive pads

✗ NOT COMPATIBLE (RARE CASES)

Surface Reason

Unsealed natural stone Absorption risk

Wax-polished floors May dull finish

How to Use Pulfresh P8

For Floor Cleaning

Dilute 20 ml in 1 litre of water. Mop the floor. No rinsing needed

For Hard Surface Normal Cleaning

Dilute 40 ml in 1 litre of water. Spray on the surface to be cleaned. Wipe dry

For Glass Cleaning

Dilute 80-100 ml in 1 litre of water in a spray bottle. Spray on glass surfaces. Wipe dry.

For Carpet Cleaning

Dilute 100 ml in 1 litre of water, spray on the stain, leave for 5 minutes, and rinse well with clean water. Do not let the solution dry on the carpet.

For Tough Oil Stains

For hard oil stains, use P8 undiluted and allow it to act for 3–4 minutes.

This dosage is according to optimal conditions, recommendations may vary, please consult our sales rep.

PULFRESH P17

Pulfresh P17 is a controlled acid-based descaler designed for:

Removal of:

Hard water scale

Calcium & magnesium deposits

Light-medium mineral buildup

Soap-mineral residues

Intended for routine to periodic descaling

Less aggressive than P12 (pH 1-2) and P15 (pH < 1)

✓ Ideal where surface safety is important

Chemical Compatibility (SAFETY RULES)

✗ DO NOT MIX WITH ANY OTHER CHEMICAL

Even at pH 2-3, P17 must never be mixed with:

Bleach / hypochlorite

Alkaline cleaners (P8, P11, Degreaser 1000, Grill Shinex)

Ammonia

Phenyl

Other acids / descalers

⚠ Acid + bleach → chlorine gas

Standalone Use – RECOMMENDED

✓ Use Pulfresh P17 alone

✓ One product per cleaning cycle

✓ Rinsing with water after use is mandatory

Surface Compatibility (pH 2-3)

✓ COMPATIBLE SURFACES

Ceramic tiles ✓ Excellent Routine descaling

Porcelain sanitaryware ✓ Safe Do not allow to dry

Vitreous china toilets ✓ Safe Short dwell time

Urinals (ceramic) ✓ Safe Controlled use

Acid-resistant tiles ✓ Yes Institutional use

⚠ USE WITH CAUTION

Surface Risk Instruction

Stainless steel ⚠ Rinse immediately

Chrome-plated fittings ⚠ Avoid direct spraying

Glass ⚠ Quick rinse

Epoxy grout ⚠ Spot test

✗ NOT COMPATIBLE SURFACES

Surface Reason

Marble / granite / kota Acid etching

Limestone / terrazzo Severe damage

Aluminum Corrosion

Brass & copper Blackening

Acrylic / fiberglass Surface dulling

Painted surfaces Paint removal

Safety & Handling

Gloves mandatory

Eye protection recommended

Ensure ventilation

Store away from alkalis & bleach

How to Use Pulfresh P 17

Spray Cleaning:

Fill 50% of Pulfresh P17 in a spray bottle. Use undiluted in case of heavy mineral deposit
Spray on scaled surface or equipment with solution.
Leave for 3 -6 minutes and then brush it rigourously.
Rinse thoroughly with clean water and allow to air dry

Soaking:

Minimum recommended dosing of Pulfresh P17 300mls per litre of water.
Fill the item or soak in solution until the scale dissolves.
Scrub if required to remove heavy deposits.
Rinse thoroughly with clean water and allow to air dry

Dishwashing machines:

Switch of detergent and rinse aid dosing system
Empty the dishwasher and fill with fresh water
Add 200 ml of Pulfresh P 17 per litre to the water.
Circulate solution for 10-15 minutes
Drain and inspect. Repeat if required
Fill dishwasher with fresh water and circulate to rinse well.
Drain dishwasher and allow to dry by leaving doors open.
Switch on detergent and rinse aid dosing system

This dosage is according to optimal conditions, recommendations may vary, please consult our sales rep.