

ITEM NO. YB-I

VERSION 1.0

DATE May 2026

Yeast Beast Industrial

Yeast-powered cleaner concentrate for workshops, machinery, production lines and fleets

Yeast Beast Industrial is a bioactive, water-soluble intensive cleaner that dissolves greases, oils, soot and biofilm and ensures their complete biological degradation. The product is based on innovative surfactants from natural raw materials and yeast cultures. It is built for industrial workshops, machinery and production environments, with low handling risk and heavy-duty performance.

Technical Data

Property	Value
Base	Yeast culture and surfactant system (concentrate)
Ingredients	Betaine, sodium carbonate, sodium citrate, sodium tripolyphosphate, yeast cultures
Physical state	liquid
Colour	brownish
Odour	characteristic
pH value (at 20 °C)	10.5 to 11.5 (concentrate)
Density	1.0 to 1.2 g/cm ³
Boiling point	97 to 100 °C
VOC content	< 0.1 %
Biodegradability	100 % (OECD 301B)
Water hazard class	WGK 1
Dangerous goods	not classified as dangerous goods
Working temperature	+20 °C to +60 °C, optimum at +40 °C
Working dilution	1:1 to 1:60
Available sizes	5 L, 20 L, 200 L, 1,000 L IBC

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Product features

Heavy-duty cleaner for industrial workshops, machinery and production lines. Cuts through oil, grease, soot, tyre rubber and biofilm. 100 % biodegradable per OECD 301B. Skin-friendly and non-toxic to plants and animals at working dilution. Non-flammable, chlorine-free, low-foaming in machine application. Lower handling risk than NaOH-based caustic degreasers. Does not attack standard 2K epoxy or PU floor coatings at recommended dilutions.

Areas of application

Workshop floors: heavy oil, grease and tyre rubber on concrete and epoxy floors. Holds non-slip texture.

Machinery and equipment: CNC machines, presses, conveyors, hydraulic units. Removes coolant residue, soot and grease without attacking seals.

Production lines: food-adjacent production lines (non-contact surfaces), packaging machinery, palletisers. Biodegradable for compliant disposal.

Vehicle fleets: trucks, trailers, forklifts, construction equipment. Cuts road grime, brake dust and diesel soot.

Container and IBC return: returnable container cleaning between cycles. 1:1 reusable bath at 40 °C reduces fresh-water demand.

Spill response: diesel, hydraulic oil and lubricant spills on shop floors, yards and access roads. No solvent fumes.

Application

The concentrate is mixed with fresh water at the desired dilution ratio (see dosage guide). For best results, lightly pre-wet the surface, then spray on the diluted solution and gently work it in with a brush or low-pressure spray. Allow to act for 5 to 15 minutes depending on soiling, then rinse with water or high-pressure spray. For walk-behind and ride-on auto-scrubbers, dose 1:30 to 1:60 in the solution tank. For pressure washers, use the chemical injector at 1:10 to 1:20. The spent cleaning solution is discharged per local industrial waste-water regulations.

IMPORTANT

Undiluted concentrate (pH 10.5 to 11.5) may attack amphoteric light metals such as aluminium and zinc. Above pH 8.5 these metals start to react. At working dilution of 1:10 or higher the product is suitable for steel, stainless steel, concrete, sealed epoxy floors and most paints. Always run a 24-hour compatibility test on floor coatings older than ten years or with unknown coating history.

Dosage guide

Heavy (1:1 to 1:10): engine cleaning, heavy oil residue, soot removal, parts cleaning, deep floor cleans. Apply at 40 to 60 °C, dwell 10 to 30 minutes.

Standard (1:10 to 1:20): workshop machinery, fleet vehicles, pressure-washer dosing for heavy soiling.

Medium (1:20 to 1:40): routine workshop cleaning, production-line exteriors, palletisers.

Light (1:30 to 1:60): walk-behind scrubbers, routine floor maintenance, glass and surface cleaning.

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Material compatibility

Compatible: carbon steel, stainless steel, concrete, sealed 2K epoxy and PU floor coatings, most paints, EPDM and nitrile rubber components.

Not compatible: aluminium, zinc and other amphoteric light metals at concentration. At working dilution (1:10 and weaker), they are safe in practice.

Always spot-test: floor coatings older than ten years, proprietary coatings, natural-rubber components, polished or unknown surfaces.

Storage, shelf life and logistics

Storage temperature +5 °C to +40 °C. Store protected from direct sunlight and frost in original containers, tightly closed. Below +5 °C the active matrix may lose efficacy and only partially recover after thawing. Shelf life 24 months from date of production when stored as specified.

Available in 5 L, 20 L, 200 L and 1,000 L IBC. Pallet quantities of 5 L and 20 L available for distributors. From our warehouse in Bexbach, Germany: 2 to 5 working days within the EU by road freight. Global sea freight 14 to 28 days FOB Hamburg.

The information in this data sheet describes the properties of the product and serves as a guideline for its application. It is based on laboratory tests and practical experience. As local conditions may vary, we recommend always verifying the suitability of the product through a preliminary test. The information and instructions in the Safety Data Sheet must be observed in all cases.