

ITEM NO. YB-O

VERSION 1.0

DATE May 2026

Yeast Beast Oilfield

Yeast-powered cleaner concentrate for oilfield tanks, pipelines and rig sites

Yeast Beast Oilfield is a bioactive, water-soluble intensive cleaner that dissolves crude sludge, heavy fuel oil residue, drilling-mud deposits and varnish, and ensures their complete biological degradation. The product is based on innovative surfactants from natural raw materials and yeast cultures. Engineered for upstream and midstream oilfield service work, shipped by the IBC and mixed on site.

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 to +50 °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

Built for upstream and midstream oilfield service work. Cuts through crude sludge, HFO varnish, drilling-mud residue and lubricant films. 100 % biodegradable per OECD 301B. Skin-friendly and non-toxic to plants and animals at working dilution. Non-flammable, chlorine-free, not corrosive to standard epoxy phenolic or zinc-silicate tank linings. Reduces manual entry preparation time on crude tanks. Plant-compatible for spill remediation on access roads and well pads.

Areas of application

Tank sludge removal: crude, fuel and produced-water tanks. Breaks down oily sludge for safer manual entry.

Pipeline pre-cleaning: pre-commissioning degreasing and post-operation flush. Works with standard pigging.

Rig site degreasing: drilling equipment, mud pumps, coiled tubing reels, rig floor. Removes lubricants and soot.

Spill remediation: diesel and crude spills on access roads, well pads and storage areas. Plant compatible.

Filter and cooling systems: filter presses, cooling skids, heat exchangers. Reduces fouling between maintenance cycles.

IBC and drum cleaning: returnable container cleaning. 1:1 reusable bath at 40 °C reduces fresh-water demand.

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 4 to 30 minutes depending on soiling, then rinse. For pipeline pre-cleaning, flood the line with 1:10 dilution, soak 4 to 12 hours, then run brush or scraper pigs. The spent cleaning solution must be disposed of per local oilfield waste-water regulations as oily wastewater for a licensed processor.

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 carbon steel, stainless steel and modern tank linings. Always run a 24-hour compatibility test on aged epoxy phenolic, zinc-silicate or proprietary linings before full-tank application.

Dosage guide

Heavy (1:1 to 1:10): crude tank sludge, HFO varnish, drilling-mud deposits. Apply at 40 to 60 °C, dwell 15 to 30 minutes, high-pressure rinse.

Standard (1:5 to 1:15): bunker-tank cleaning, pipeline pre-cleaning, rig equipment.

Medium (1:10 to 1:30): routine equipment degreasing, filter and cooling system cleaning.

Light (1:30 to 1:60): spill remediation on access roads, light maintenance, IBC return cleaning.

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Material compatibility

Compatible: carbon steel, stainless steel, modern epoxy phenolic and zinc-silicate tank linings, 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: tank linings older than five years, proprietary linings, 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. For desert storage, shaded covered storage recommended to keep IBCs below +40 °C ambient. 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. Other packaging on request. Standard production lead time 2 to 4 weeks. Sea freight from Bexbach, Germany to Jebel Ali or Dammam typically 21 to 28 days. Expedited road-and-sea via Trieste or Salerno 14 to 18 days at premium cost.

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.