ACE ENTERPRISES

ACE MARINE DEGREASE

Heavy-duty, water-based alkaline degreaser for ship engine rooms, bilges, tanks, decks and cargo holds. Non-flammable. Solvent-free.

Turns thick fuel sludge into a pumpable liquid
Safer for crew. Safer for your ship.

1. Why marine degreasing matters

On a ship, the wrong cleaner is a fire, safety and compliance risk

Engine rooms, bilges, tanks and decks collect heavy fuel oil, lube oil, carbonised grease, salt and dust. Cleaning them is essential for safety, inspection and compliance, but solvent cleaners bring fire and fume risks into confined spaces.

Challenge on board	Why it matters
Fire risk	Solvent cleaners are restricted in engine rooms, fuel handling areas and other confined spaces because of flammability
Confined spaces	Poor ventilation and high temperatures make toxic fumes a real crew-safety problem
Thick, aged sludge	Heavy fuel oil, carbonised grease and tank sludge stick hard to steel and are slow to remove by hand
Mixed contamination	Oil combined with dust, metal fines and salt lowers cleaning efficiency and spreads during cleaning
Environmental rules	Oily water and sludge must be handled and disposed of in line with MARPOL and port rules
Odour & crew comfort	Solvent odour and vapours cause discomfort and health hazards for the crew

1:1 – 1:20
dilution range, from carbonised deposits to general degreasing

>90%
biodegradability

Non-flammable
water-based and solvent-free

2. How we help you

ACE Marine Degrease: a water-based answer for every area of the ship

Where on the ship	What we clean	How ACE Marine Degrease helps
Engine room	Heavy fuel oil, lube oil, carbonised grease, sludge and dust on engines, DG sets, gearboxes, pumps, compressors, floor plates	Non-flammable; safe in confined spaces; use hot or cold water; compatible with steel, cast iron and painted surfaces
Bilge & oily water areas	Emulsified oil and seawater, sludge and diesel / lube oil mix in bilge wells, separators, drains and strainers	Breaks the oil-water emulsion, helps separation in the OWS and eases compliance with marine pollution norms
Tanks & sludge	HFO / MDO / MGO sludge in fuel oil and sludge tanks, separator rooms and sump pits	Penetrates fast and converts sludge into a pumpable liquid for easy pump-out and washing
Deck machinery & cargo holds	Marine grease, hydraulic oil, salt deposits, residual cargo oil on winches, windlass, cranes and holds	Works on salt-contaminated surfaces, brush or spray, can be pressure washed, does not attack marine coatings
Fuel handling & bunkering	Heavy fuel oil, diesel spills and sticky residues at manifolds, transfer pumps, flanges and valves	Non-flammable, removes sticky residues and is safer during bunkering operations
Workshop, accommodation & galley	Light oil, tool grease, exhaust hoods, ducts and kitchen surfaces (diluted)	Low odour, easy rinse and easy daily maintenance
Hull, funnels & dry docking	Soot, exhaust deposits, heavy grease and rust-oil at hull machinery, thrusters and ballast tanks	Lower VOC, easier effluent treatment, works with high-pressure jets

Marine sludge cleaning: the 7-step procedure

1	2	3	4	5	6	7
Prepare	**Apply**	**Soak**	**Agitate**	**HP wash**	**Pump out**	**Rinse**
Permit to work, ventilate, stop pumps, isolate valves, remove loose debris	Spray 1:3 solution on tank walls, bottom, brackets and coils	20–45 minutes; circulate or air-agitate thick HFO sludge	Brush, mechanical mixing or air bubbling line	150–250 bar jet, collect into a sludge pit	Bilge or submersible pump to waste tank	Fresh water rinse, inspect, repeat on heavy spots

Recommended dilution (product : water)

Application	Dilution
Sludge tanks (HFO / MDO)	1:3 – 1:5
Carbonised deposits	1:1 – 1:3
Bilge / engine room	1:5 – 1:10
General degreasing	1:10 – 1:20
Hot water cleaning	1:5
Light (accommodation)	1:20 – 1:40

Use normal water and mix slowly to avoid foam. Hot water, foamers, spray guns and HP jetting can all be used.

Technical properties

Property	Value
Appearance	Clear to yellowish liquid
Odour	Low odour
pH	11.5 – 12.5
Specific gravity	1.05 – 1.10
Flash point	Non-flammable
Foaming	Medium
Packaging	25 L, 50 L, 200 L
Shelf life	24 months, sealed

3. Your benefits of working with us

Safer cleaning, faster turnaround and easier compliance

Your benefit	What you get
Fire-safe cleaning	Non-flammable and solvent-free, so safe to use in engine rooms and fuel handling areas
Sludge you can pump out	Emulsifies thick HFO / MDO / MGO sludge and loosens carbonised deposits for easy pump-out and washing
Safer for crew	Low odour and no toxic solvent vapours; lower VOC
Kind to your ship	Safe on steel, aluminium, copper, painted surfaces, rubber, gaskets and plastic components
Easier on the environment	Biodegradable (>90%), completely water-soluble and designed to support marine pollution compliance
Flexible and economical	Concentrated and dilutable; use with hot or cold water, fresh or sea-water rinse, spray, brush, immersion or HP jet
Backed by an SOP	A step-by-step tank cleaning procedure with a documentation checklist for your records

ACE Marine Degrease vs solvent cleaners

Parameter	Water-based	Solvent
Fire risk	Non-flammable	High
Worker safety	Low odour, safer	Toxic vapours
Cost	Lower (dilutable)	High
Marine regulations	Designed for compliance	Restrictions apply
Sludge removal	Excellent with HP jet	Excellent

Safety: use gloves and goggles (respirator and gumboots inside tanks), keep away from acids and food areas, and follow tank-entry and confined-space procedures. Store below 50°C away from direct sunlight. Spot-test sensitive coatings. Discharge must follow MARPOL and port rules.

Get your tanks and engine room cleaner, faster and safer

Ask for a cleaning trial on your vessel

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