



TANK CLEANING CHEMICALS

TANK CLEANER

Solvent-based tank cleaner for petroleum, mineral oil, base oil, jet oil and lube oil.

TANK CLEANER EXTRA

Highly concentrated and effective solvent-based tank cleaner for petroleum, mineral oil, base oil, jet oil and lube oil. (Dosage rate: Only 0,2 % to 1 %)

ER-AC

NaOH-based alkaline cleaner and degreaser for vegetable oil, animal oil, fatty acids, fish oil, palm oil, greases, waxes, sludge, soot, carbon deposits, grime and general dirt.

ER- AC PLUS

KOH-based strong alkaline cleaner for vegetable oil, animal oil, fatty acids, fish oil, palm oil, greases, waxes, sludge, soot, carbon deposits, grime and general dirt. It is also effective on inert gas soot on tank surfaces and free of sodium hydroxide.

ER-APC

Ecological water-based high-quality general cleaner and degreaser for removing mineral oil, diesel oil and dirt from all surfaces. It is low-toxic, biodegradable, excellent cleaner for machine rooms, decks, cabins, tool and floor cleaning. Besides cleaning properties, it can be used as hydrocarbon remover as well.

ER-APC AQUA

ER APC AQUA is used for inert gas soot (IGS) cleaning in cargo tanks, it very efficient for removing inert gas soot residues from cargo tanks.

ERCLEAN-HCF

Water-based tank cleaner and hydrocarbon remover. After cleaning the tanks with Tank Cleaner, Tank Cleaner Extra, ER-AC and ER-AC PLUS if presence of Hydrocarbon is still detected, ERCLEAN-HCF is excellent product to remove it.

RUST REMOVER

Acid-based product for cleaning rust stains and it can also be used to clean if white residues left on the tank surfaces after cleaning with alkaline cleaners.

ERCLEAN-HCF CONCENTRATE

High-performanced, concentrated solvent cleaner for removing hydrocarbon and inhibitors. It consists of biodegradable surface agents and water soluble solvents. It is odorless, eco-friendly product, free of acids, alkali and phosphates.

ERCLEAN- SAFETY

Water-based concentrated neutral pH cleaner. It is specially formulated for removing vegetable oil, animal oil, fats and light mineral oil from aluminum and zinc-silicate coated tank surfaces. It can also be used as a hydrocarbon remover.

ERCLEAN BUFFER

It is advised to use when the cargo tanks have to be completely free of lead, chlorides or sulfite before loading high purity cargoes.

ERCLEAN- DYE

ERCLEAN DYE is used for cleaning of dye discoloration from the tank surfaces after discharging dyed gasoline cargoes. These cargoes can cause red, green or yellow stains on the surfaces. ERCLEAN DYE enables to remove those stains safely.

ERCLEAN- BRITE

Acid-based product for cleaning rust stains and it can also be used to clean if white residues left on the tank surfaces after cleaning with alkaline cleaners.

COAL TAR REMOVER

A solvent based liquid designed to clean carbonized coal tar, crude benzene, bitumen traces from tanks, heat exchangers and air coolers.

ERCLEAN-ENER-G

ERCLEAN-ENER-G is a concentrated acidic tank cleaner which is formulated for effective removal of white residues remaining after carriage of fatty acids as well as oil and fat stains removal. ERCLEAN-ENER-G is used on many vegetable oil cargoes such as palm fatty oil distillates (PFAD), CPO, crude palm kernel oil (CPKO), palm stearin, olein and etc., and it reduces the cleaning time.

ERCLEAN-SYNER-G

Extremely efficient cleaner to remove vegetable oil, animal oil, and fat in cargo tanks. Erclean Syner-G is a boosted product with alkali addition, it therefore replaces a large scale of different individual cleaners, simplify and economize the tank cleaning process.

ER-APC EXTRA 200

Super concentrated new generation tank cleaner to remove palm oil, vegetable oil, fish oil, mineral oil, lube oil, phthalates, paraffines and greases. It is neutral pH product and free from chlorinated/aromatic hydrocarbons, caustic and alkalines. It is at the same time a good hydrocarbon remover. This effective cleaner is low-toxic, completely biodegradable and it is safe to use for the operating staff. (Dosage rate : Only 0,2% to 0,4%)

SPECIFICATIONS	ER APC EXTRA 200	STANDART CLEANER
Highly concentrated	Yes	Yes
Suitable in sea water as well as fresh water	Yes	No
Necessary concentration	0,2 - 0,4 %	2 - 5%
Necessary amount of cleaner for 10m ³	20 - 40 L	200 - 500 L
Concentration	0,2% - 0,4%	2% - 5%
Economical for injection cleaning due to high concentration	Yes	No
Wide range of application	Yes	Limited
suitable for Epoxy- and Zinc Coatings (pH value 7-9)	Yes	No
Additionally mixable like Sodium or Potassium Hydroxide (alkaline cleaners)	Yes	Limited
Additionally mixable with acids like Phosphoric or Nitric Acid	Yes	No
No dangerous good in respect of handling, transport and storage Land, Sea, Air	Yes	No

WALL WASH TEST KIT



ER-40 DI WATER PRODUCTION UNIT

SINGLE FILTER DEMINERALIZER & TWIN FILTER DEMINERALIZER

This filter has been designed and manufactured for marine applications to produce demineralised water. It's resin content is consist of both Cations and Anions. Cation resin replaces all positive ions by hydrogen H+ and Anions resin replaces negative ions by hydroxide OH-. As a result, hydrogen and hydroxide generates pure water H2O. With salt content and the conductivity at 0.05 µS/cm and silica content at 0.02 µS/cm. Filter bottles hold 40 litres resin and their capacity is 250 – 900 liters/hour.



ADDITIVES

ERCLEAN- HCOH

Cleaning additive based on Ethylene Glycol Monoalkyl Ether for removal of hydrocarbon residues.

ERCLEAN- PCS

Cleaning additive based on Sodium Hypochlorite for removal of dye, odour and, hydrocarbon residues

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Cleaning additive based on Sodium Hypochlorite for removal of dye, odour and, hydrocarbon residues

ERTEK CAUSTIC SODA FLAKES

Strong alkaline cleaning additive

ERTEK CITRIC ACID

Cleaning additive, can be used with ER-APC EXTRA 200

ERTEK NITRIC ACID

Cleaning additive for removal of residues from Calcium and Magnesium Slurry

ERTEK PHOSPHORIC ACID

Cleaning additive for removal of white residues

ERTEK POTASSIUM HYDROXIDE

Strong alkaline cleaning additive

ERTEK SODIUM CARBONATE

Alcaline cleaning additive

ERTEK SODIUM HYDROXIDE SOLUTION

Cleaning additive for removal of residues from Calcium and Magnesium Slurry

TANK CLEANER SELECTION GUIDE

CONTAMINATION	CLEANER	USAGE RATE	USAGE METHOD	RESULT	COATING
Vegetable & Animal Oil	ER-APC EXTRA 200	0,2 %-0,4 %	Circulation	Clean tanks	Proper for all coatings
	ERCLEAN-ENER-G	2,0 %-3,0 %	Circulation	Clean tanks	Proper for all coatings except aluminium, zinc and galvanized
	ERCLEAN-SYNER-G	1,0 %-3,0 %	Circulation	Clean tanks	Proper for all coatings except aluminium, zinc and galvanized
	ER-AC PLUS	2,0 %-3,0 %	Circulation	Clean Tanks, white traces may arise	Proper for all coatings except aluminium, zinc and galvanized
	ER-AC	3,0 %-5,0 %	Circulation	Clean Tanks, white traces may arise	Proper for all coatings except aluminium, zinc and galvanized
Mineral Oil, Fuel Oil, Base Oil, Lube Oil & all Annex 1 Cargo	TANK CLEANER	2,0 %-5,0 %	Circulation	Clean Tanks, not hydrocarbon free	Proper for all coatings
	TANK CLEANER EXTRA	0,3 %-1,0 %	Circulation	Clean Tanks, very low hydrocarbon (2-3 ppm) left on tank surfaces	Proper for all coatings
Hydrocarbon	ER-APC	0,5 %-1,0 %	Circulation	Hydrocarbon free	Proper for all coatings except aluminium, zinc and galvanized
	ER-APC EXTRA 200	0,2 %-0,4 %	Circulation	Hydrocarbon free	Proper for all coatings
	ERCLEAN-HCF	2,0 %-5,0 %	Circulation	Hydrocarbon free	Proper for all coatings
	ER- CLEAN SAFETY	0,5 %-3,0 %	Circulation	Hydrocarbon free	Proper for all coatings
	ERCLEAN- HCF CONCENTRATE	1,0 %-2,0 %	Circulation	Hydrocarbon free	Proper for all coatings
White Traces After Cleaning Vegetable & Animal Oil	RUST REMOVER	2,0 %-4,0 %	Circulation	White trace free tanks	Proper for all coatings except aluminium, zinc and galvanized
	ERCLEAN- BRITE	2,0 %-3,0 %	Circulation	White trace free tanks	Proper for all coatings except aluminium, zinc and galvanized
Inhibitor, brown spots cleaning	ERCLEAN- HCF CONCENTRATE	1,0 %-2,5 %	Circulation	Inhibitor free tanks	Proper for all coatings
Cleaning & Brightening Chrome Tanks	ER- PICKLING LIQUID		Circulation, Spray, Brush		Strong acids! Proper to use over chrome tanks
	ER- PASSIVATING LIQUID		Circulation, Spray, Brush		Strong acids! Proper to use over chrome tanks

COATING APPROVALS

MARPOL/IMO MEPC.1/CIRC.590

TANK CLEANING CHEMICAL	Approved in accordance with MARPOL/IMO MEPC.1/Circ.590
COAL TAR REMOVER	APPROVED
ER-AC	APPROVED
ER-AC PLUS	APPROVED
ER-APC	APPROVED
ER-APC AQUA	APPROVED
ER-APC EXTRA 200	APPROVED
ER-APC EXTRA 50	APPROVED
ERCLEAN BUFFER	APPROVED
ERCLEAN CTC	APPROVED
ERCLEAN-SAFETY	APPROVED
ERCLEAN-HCF	APPROVED
ER-HDC	APPROVED
ER-HDC	APPROVED
ER-OGR	APPROVED
ER-TEEPOL	APPROVED
MULTICLEANER	APPROVED
RUST REMOVER	APPROVED
TANK CLEANER	APPROVED
TANK CLEANER EXTRA	APPROVED

MARINELINE

TANK CLEANING CHEMICAL	MarineLINE® 784
COAL TAR REMOVER	✓
ER-AC	✓
ER-AC PLUS	✓
ER-APC	✓
ER-APC AQUA	✓
ER-APC EXTRA 200	✓
ER-APC EXTRA 50	✓
ERCLEAN BUFFER	NOT RECOMMENDED
ERCLEAN CTC	✓
ERCLEAN IGS	✓
ERCLEAN-HCF	✓
ERCLEAN-HCF CONCENTRATE	✓
ERCLEAN-PCS	NOT RECOMMENDED
ERCLEAN-SAFETY	✓
ER-HDC	✓
ER-OGR	✓
ER-TEEPOL	✓
MULTICLEANER	✓
RUST REMOVER	✓
TANK CLEANER	✓
TANK CLEANER EXTRA	✓

✓ = Cleaner evaluated for use

INTERNATIONAL PAINT

TANK CLEANING CHEMICAL	Interline 9001	Interline 994
ER-AC PLUS	X	X
ER-AC	✓	✓
ER-APC AQUA	✓	✓
ER-APC EXTRA 200	✓	✓
ERCLEAN-HCF	✓	✓
ERCLEAN-HCF CONCENTRATE	✓	✓
RUST REMOVER	✓*	✓
TANK CLEANER EXTRA	✓	✓

✓ = Cleaner evaluated for use
X = Cleaner not suitable for use
*Rust Remover must be used at maximum of 3% concentration at a maximum temperature of 60°C.

JOTUN

TANK CLEANING CHEMICAL	Tankguard CPC	Tankguard HB	Tankguard HB Classic	Tankguard Special	Tankguard Special Ultra	Tankguard Flexline	Tankguard Zinc
COAL TAR REMOVER	NR	NR	NR	NR	LR	LR	R
ER-AC	R	R	R	R	R	R	NR
ER-AC PLUS	R	R	R	R	R	R	NR
ER-APC	R	R	R	R	R	R	LR
ER-APC AQUA	R	R	R	R	R	R	NR
ER-APC EXTRA 200	R	R	R	R	R	R	R
ER-APC EXTRA 50	R	R	R	R	R	R	NR
ERCLEAN BUFFER	R	R	R	R	R	R	R
ERCLEAN CTC	R	R	R	R	R	R	R
ERCLEAN IGS	R	R	R	R	R	R	NR
ERCLEAN-HCF	R	R	R	R	R	R	R
ERCLEAN-SAFETY	R	R	R	R	R	R	R
ER-HDC	R	R	R	R	R	R	NR
ER-OGR	R	R	R	R	R	R	R
ER-TEEPOL	R	R	R	R	R	R	NR
MULTICLEANER	R	R	R	R	R	R	NR
RUST REMOVER	NR	NR	NR	NR	NR	NR	NR
TANK CLEANER	R	R	R	R	R	R	R
TANK CLEANER EXTRA	R	R	R	R	R	R	R

R = Resistant when used according to supplier recommendations (TDS)
LR = Limited resistance depending on concentration and exposure time, that may lead to light-to-heavy coating discoloration
NR = Not resistant at all concentrations



Natural Life Is A Chemical Product

We hope to share our experience of over 40 years with you.

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