

DESCRIPTION

ER-AC is strong water based alkaline cleaner and degreaser. It is used for numerous cleaning applications including cleaning of vegetable oils, animal oils, fatty acids, fish oils, greases, waxes, oil, sludge, soot, carbon deposits, general dirt, grime and inert gas soot. ER-AC can also be used as a cargo hold cleaner after coal – and pet coke cargoes.

Product Name : **ER-AC (WATER BASED ALKALINE CLEANER)**
Document No : SP-KS-36
Chemical Name : Chemical Mixture
Usage Area : Oil & dirt remover chemical in stainless steel, epoxy and polyurethane tanks, deck, engine rooms, cabins and bilges.

A. ORGANIC PROPERTIES

Appearance

Physical Status (20°C) : Liquid
Color : Ambergris
Odour : Soft

B. PHYSICAL PROPERTIES

pH (in %1 solution) : 13.0 – 14.0
Molecular Weight : -
Flash Point : -
Density : 1.25 - 1.35 gram / cm³
Solubility in Water : Completely.

APPLICATION, FEATURES & BENEFITS

- ✓ Very powerful alkaline cleaner based on strong anionic surface active agents and alkaline salts.
- ✓ Cleans vegetable oils, animal oils, fish oils, greases, waxes, oil, sludge, soot, carbon deposits, general dirt, grime, inert gas soot, coal and pet coke residues by thorough saponification.
- ✓ Very efficient for removing inert gas soot (IGS) residues from cargo tanks.
- ✓ Biodegradable.
- ✓ Contains no hydrocarbon solvents.
- ✓ Safe to use on epoxy coatings, polyurethane coatings and in stainless steel tanks.

- ✓ Not suitable for use on Aluminium, Magnesium and Zinc Silicate coatings.
- ✓ Does not contain nonyl phenol ethoxylates or other estrogenic compounds.
- ✓ Has excellent deodorizing properties, removes odours of aromatic solvents, fish oil residues and other obnoxious smells.

STORAGE INFORMATION

Store at moderate temperatures

Packing : 25-30-200 L sealed plastic drums

Storage Period: 3 years.

DIRECTIONS FOR USE / APPLICATIONS & DOSAGE RATE

Pre-wash:

Before cleaning tanks with ER-AC it is recommended to prewash the cargo tanks with hot water 50 – 60°C. For drying oils and Semi-Drying oils prewashing should be done with cold water.

General Cleaning

1.Direct injection method with tank washing machines: General dosage rate is 10-50 liters per 1000 liters wash water. (1–5%)

For fatty acids, fatty alcohols, fish oils cargo residues dosage rate is 2-5 %.

For drying & semi-drying veg. oils, non-drying veg. oils cargo residues dosage rate is 1-3 %.

For petrochemicals and light hydrocarbon cargo residues dosage rate is 3-5 %.

For light hydrocarbon film cargo residues dosage rate is 2-3 %.

2.Recirculation Method:

The ideal usage in boilers: General dosage rate is 20-50 liters per 1000 liter wash water. Circulate the solution at 80-100°C for 12-24 hours. Drain the cleaning solution from the boiler and rinse the boiler with fresh water.

For fatty acids, fatty alcohols, fish oils cargo residues dosage rate is 3-5 %.

For drying & semi-drying veg. oils, non-drying veg. oils, petrochemicals, light hydrocarbons cargo residues dosage rate is 2-4 %.

For light hydrocarbon film cargo residues dosage rate is 2-3 %.

Spot Cleaning

For fatty acids, fatty alcohols, fish oils cargo residues dosage rate is 100%. For drying & semi-drying veg. oils, non-drying veg. oils cargo residues dosage rate is 50-100%, for oily coal 10-50%. Leave the solution for approximately 30 minutes before rinsing with water. Keep surface wet.