



Product Information

CR Degreaser E

USAGE/DESCRIPTION

CR Degreaser E is a very effective tank cleaning additive for the cleaning of hardened lube oil additive, vegetable oil and animal fats. It is also extremely effective as a hydrocarbon remover, and effectively remove odour from acrylate and foul smelling cargo. This liquid water based alkaline cleaner is by far the most concentrated alkaline solution ever possible. This is due to the introduction of a new type of breakthrough ethoxylated surfactants that enable the surfactants, complexing agents, and highly concentrated alkaline solution to blend without separation.

COMPARABLE MARKET PRODUCTS

Henkel P3 -- Grato 50 Marine
Henkel P3.NA -- Marine

TYPICAL SPECIFICATIONS:

Specific Gravity at 20°C	1.37
PH – Concentrated:	14
PH – Concentration 5%:	13.50
PH – Concentration 2%:	12.70
PH – Concentration 0.2%:	9.50
Flash Point:	Non-flammable
Appearance:	Straw yellow
Characteristic:	Slightly viscous completely soluble in water



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DIRECTIONS FOR USE & DOSAGE INSTRUCTION

Spraying Method

Never use this product neat. In areas of stains and hardened deposit **CR Degreaser E** may be diluted in the ratio of 5%. **CR Degreaser E** with 95% water and applied directly using a high pressure sprayer. It is recommended that the entire stain surface be wet with **Cr Degreaser E** and allowed to sit for 10 - 15 minutes before washing off with water. This procedure may be carried out at ambient temperature.

Circulation Method

Cr Degreaser E may be diluted in water to make a degreaser-water solution with **0.2% - 3%** concentration of degreaser and circulated through the tank using a deep well pump. It is recommended that each wash cycle be for approximately 5 hours and at a temperature of 40°C – 45°C. *For more effective cleaning, the temperature may be raised to **65°C to 85°C**. The cleaning solution often retains sufficient cleaning power after an initial wash that it may be recycled back to the tank for additional cleaning or cycled through other tanks. Water may then be used for a final wash to remove any residue.

***CAUTION:** Standard practices require that the cleaning temperature be 10°C below the boiling point of the lightest component of the cargo. This is to prevent vapour emission of the cargo during the cleaning process.

Immersion

Small parts/components may be cleaned by soaking them in a bath of **Cr Degreaser E** at a dosage of 3-8% degreaser-to-water solution.



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BENEFITS / ADVANTAGES

- 1) The introduction of a new type of break through surfactants enable highly concentrated solution of complexing agent, alkaline solution and surfactant to blend without any separation and enable a consistent concentration of CR Degreaser E to be applied during tank cleaning.
- 2) Due to the highly concentrated nature of the solution, a smaller amount will be required and used as compared to other standard degreaser. This result in considerable cost saving and a reduction in the ship's space required for the storages of cleaning chemical.
- 3) This **IMO approved product** is environment friendly, non flammable, highly effective and biodegradable.
- 4) Due to the additional of antifoam agent, CR Degreaser E will not produce any excessive foam which might create a problem to the ship's crew.

CARGO LIST

Cr Degreaser E is effective for the removal of the various cargo residues:

- All **mineral oils**, including but not limited to alpha olefins, camphor oil, carbolic oil, cashew nutshell oil, castor oil, crude palm oil, coconut oil fatty acid, corn oil, cottonseed oil, cottonseed oil stearine, latex, CTLA Polymer (Exxon), fish oil, tung oil, palm oil, peanut oil, sunflower oil.
- All **fats** including but not limited to fatty acids, fatty alcohols and animal fats, fatty acid synthetic.
- **Lubricant additives** from Exxon, Lubrizol Corporation, Shell and Chevron.
- **Petroleum products and petrochemicals** including but not limited to lubricants, diesel, jet fuel, fuel oil and dirty/sops oil tank, aromatic hydrocarbons, aliphatic and chlorinated hydrocarbons, butyl methacrylate monomer and other odouress product, phenol and wax and grease white, greaser pleshing, etc.
- **Coal and soot.**



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APPLICATIONS

CR Degreaser E can be used on iron and steel surfaces. Never use this product neat. If diluted up till 1 part of CR Degreaser E to 50 parts water, the product will be suitable for use in epoxy and phenolic coatings.

HANDLING & PRECAUTIONS

This is a strong alkaline solution when working with the product appropriate protective clothing and goggles must be. Should the solution come into contact with skin or clothing, flush with generous amounts of water. Should the solution come into contact with eyes, flush with generous amounts of water and rinse with standard eyewash and seek medical treatment immediately.