



Product Information

CR DEGREASER LAC

USAGE/DESCRIPTION

Cr Degreaser LAC is a specifically formulated **heavy duty, non-caustic, water-based cleaner** suited for use against dried out oils and stubborn stains baked onto tank interior surfaces. It is especially effective for cargo tank cleaning of lube additives, fish oil, tung oil, petrochemical and hydrocarbon products. It is also widely used for hydrocarbon gas freeing of cargo tanks.

COMPARABLE MARKET PRODUCTS

Other products currently in market comparable to **Cr DegreaserLAC** include: Careclean Alkaline Extra, Vecom Water-based, Unitor's ALK HD, Unitor's Product LAC, Unitor's Aquabreak P.X, Unotor's Aqua Cleaner M, Drew's ABD, NafleetAlkaclean, Water-based Tank Clean, Water-based Sea Clean, Marclean SC, Strong Alkaline Cleaner, Non-caustic Alkaline Cleaner, Soot Remover, Navadan 801 (alkatuff) and Navadan 803.

TYPICAL SPECIFICATIONS

Specific Gravity at 20°C	:	1.04
Flash Point	:	Non-flammable
pH (concentrated)	:	14
pH (8% concentration)	:	12
pH (3% concentration)	:	11.5-11.8
pH (0.2% concentration)	:	10-10.5



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DIRECTIONS FOR USE & DOSAGE INSTRUCTION

Spraying Method

In order to remove heavy duty stains, **Cr Degreaser LAC** may be applied directly to the stains via a high pressure sprayer. It is recommended that the entire stain surface be wet with **Cr Degreaser LAC** 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 LAC 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 residual **Cr Degreaser LAC**.

***CAUTION:** Standard practices require that the cleaning temperature be 10°C below the boiling point of the lightest component of the cargo.

Immersion

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



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BENEFITS/ADVANTAGES

Cr Degreaser LAC is an alkaline degreaser formula concentrated as highly as possible using the latest ethoxylated alcohol to ensure complete emulsification and saponification of stubborn oils and fat lipids and promote good removal capability of each cleaning wash.

This product is designed to retain high oil removal power even after a multiple washes and may be used for multiple cleaning sequences with minimum reduction in cleaning power.

This **IMO approved product** is biodegradable and environmentally friendly.

CARGO LIST

Cr Degreaser LAC 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, coconut oil fatty acid, corn oil, cottonseed oil, 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.
- **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, phenol and wax.
- **Coal and soot.**



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APPLICATIONS

Cr Degreaser LAC can be used on iron and steel surfaces. It retains effectiveness against heavy residue contaminants on epoxy and phenolic surfaces when diluted up to 1 part product to 10 part water. Care must be taken when applying the product to zinc surfaces due to the porosity and reactivity of the zinc. It is advisable to use **Cr Zinc Safe Neutral HCF** if the tank is zinc coated. If undiluted, this product must not be left on the cleaning surface for more than 30 minutes.

HANDLING & PRECAUTIONS

This is a strong alkaline solution and appropriate protective clothing and goggles must be worn when working with the product. 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.