



Product Information

CR DEGREASER B PLUS

USAGE/DESCRIPTION

Cr Degreaser B Plus is a blend of premium odourless solvent and highly refined paraffin oil specially formulated as a **tank cleaning additive** for upgrading of "black cargo" crude or fuel oil tanks for gasoline or gas oil loading. It is also used in cargo tank cleaning for the removal of heavy greaser and oil sludge deposits from all surfaces. It is a universal cleaner that may be used with complete safety to the equipment and user. Yet, it easily penetrates thickened deposits of crude oil to facilitate effective cleaning with minimum time and manpower. **Cr Degreaser B Plus** can also be used effectively for the removal of other cargo residues (please refer cargo list).

TYPICAL SPECIFICATIONS

Specific Gravity at 20°C	:	0.8560
Flash Point	:	Above 85°C
Appearance	:	Colour (saybolt) +20
Aromatic % Vol	:	75
Distillation Range (°C)	:	IBP min 180 DP max 265

COMPARABLE MARKET PRODUCTS

MARINE CARE CARECLEAN VOYAGE

TECO H60 PLUS

UNITOR SEA CLEAN PLUS

NAVACLEAN 888



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DIRECTION FOR USE & DOSAGE INSTRUCTION

Spraying Method

For cleaning on surface with heavy contaminants, it will be more effective to spray on the area with a high pressure sprayer. Wet the entire surface with neat **Cr Degreaser B Plus** and allow 10 ~ 15 minutes for the solution to take effect before washing off the entire area with water. This procedure may be carried out at ambient temperature.

Circulation Method

Cr Degreaser B Plus may be diluted in water to make a degreaser-water solution with 0.05% to 0.10% 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.

Rock & Roll Method

A solution of 0.05% to 0.10% **Cr Degreaser B Plus** may be filled into the tank to be cleaned. By using the "Rock & Roll" motion of the ship movement when travelling the tank may be cleaned in between voyage.



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BENEFITS / ADVANTAGES

- 1) The introduction of a new type of break through surfactants enable highly concentrated solution of complexing agent, synthetic pyridine and surfactant to blend without any separation and enable a consistent concentration of **CR Degreaser B plus** 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 B plus** will not produce any excessive foam which might create a problem to the ship's crew.

CARGO LIST

Cr Degreaser B plus 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 methacrylates monomer and other odourless product, phenol and wax and grease white, greaser plashing, etc.
- **Coal and soot.**



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APPLICATIONS

Cr Degreaser B plus can be used on iron and steel surfaces. It can be used when diluted on a ratio of 1 part product to 10 parts water on epoxy and phenolics surface, but if it is used undiluted it must not stand for more than 3 hours.

HANDLING & PRECAUTIONS

This is a strong solution and protective clothing and goggles must be used when dispensing the product. Should the solution come into contact flush with generous amount of water, rinse with standard eyewash and get medical attention.