



FILTER CLEANER PLUS™

DESCRIPTION

FILTER CLEANER PLUS is a special product formulated by strong emulsifying agents, biodegradable surfactants and powerful - low toxicity - solvents to treat metal and ceramic oil filters, which suffer from oil depositions, carbonized oil accumulation and sludge.

ADVANTAGES & CHARACTERISTICS

- ◆ Non-corrosive, non-toxic, non - flammable and safe to use in all types and kinds of filters.
 - ◆ Preserves, protects and maintains the operational capabilities of the filter by thorough and complete cleaning.
 - ◆ Provides quick and efficient action.
 - ◆ Its pure, high quality components readily remove oil and grease deposits, even when dry.
 - ◆ Contains biodegradable surfactants, strong emulsifying agents and low toxicity solvents.
 - ◆ Free of chlorinated solvents and nonyl-phenol ethoxylates.
 - ◆ Can be combined with a specific range of products.
 - ◆ Safe to use on all metals and their alloys as well as those with inorganic clay finishes.
 - ◆ Attacks and dissolves water/oil emulsions and concentrations.
 - ◆ Minimizes fuel consumption.
 - ◆ Cost effective, easy to apply and use.
- ▶ **FILTER CLEANER PLUS** is not harmful to the marine environment as per MARPOL MEPC 63 Annex V Amendment [MEPC. 71/17/Add.1 Annex 21, Resolution MEPC 295 (71)].

PHYSICAL PROPERTIES

FILTER CLEANER PLUS is a concentrated petroleum solvent based liquid mixture, consisting of corrosion inhibitors, ionic metal surface activators, biodegradable surfactants, and strong emulsifying agents.

Appearance/Color	: Clear liquid / Colorless
Specific gravity	: 0.85 - 0.90 gr/cm ³ at 20°C
Flash Point	: >61°C
Odor	: Light Aromatic

PACKAGING

Order Number	: 832549 (25 ltrs)
Container	: Steel drum

APPLICATION AND USE

A. Dosing Procedure

The quantity of **FILTER CLEANER PLUS** to be used depends on two factors: the volumetric capacity of the filter to be cleaned and the degree of deposition/contamination in the filter.

In the first case, the dosage must equal the filter capacity.

In the second case, the dosage must be corresponding to the desired degree of cleaning.

B. Cleaning Procedure

The application of **FILTER CLEANER PLUS** is done by the circulation or immersion method.

If using the circulation method, determine the filter capacity and circulate at a constant rate for 6–20 hours.

If using the immersion method, let the filter soak in enough quantity of product, analogous to the degree of contamination, for a time of 6–20 hours.

▶ IMPORTANT NOTICE

When using the immersion method, periodic agitation with the assistance of air is necessary, so that a constant surface reaction rate is maintained.



! SAFETY AND HANDLING

HANDLING	Handle with care. Store in a dry, cool and well ventilated environment.
SAFETY	IMMEDIATE ACTIONS
Eye Contact	Avoid Eye contact. Otherwise, flush with plenty of water for a few minutes. Seek medical attention.
Skin Contact	Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention.
Inhalation	Do not breathe gas/vapors. In case of insufficient ventilation, wear suitable respiratory equipment. Otherwise, seek fresh air source at once and ask for medical attention immediately.
If Swallowed	Avoid ingestion. If swallowed, do not induce vomiting; seek medical advice immediately and show the label of the product.
GENERAL INSTRUCTIONS	Avoid spillage, splashing and mishandling. Wear suitable protective clothing, gloves and eye/face protection before using the product.

 **Read the Material Safety Data Sheet before using this product.**

For detailed information on safety and health, please refer to Material Safety Data Sheet and/or Product Label.

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