



DESCRIPTION

OIL & GREASE REMOVER HD 999 is a powerful solvent-based emulsifying liquid product designed to attack, penetrate and remove mineral oil, lube oil, fuel oil, diesel oil, grease, fats, soot, asphalt and light carbon stains from any metal surfaces. It is also applicable to plastic, rubber, epoxy and zinc compounds, as well as to painted, coated and varnished surfaces.

ADVANTAGES AND CHARACTERISTICS

- Effectively disperses all kinds and types of oil, grease, fat and light carbonaceous deposits from metal, plastic and rubber surfaces and parts.
- Acts quickly and thoroughly, even with quick rinsing.
- Non-corrosive, non-toxic, non-chlorinated emulsifier.
- Applicable to plastic, rubber, epoxy and zinc compounds as well as to painted coated and varnished surfaces.
- Can be combined with a specific range of products.
- Forms a milky-white emulsion upon contact with water.
- Cost effective, easy to apply and use.

During 1996, chemical tankers were only permitted to use tank cleaning agents, which had been approved and evaluated by the **International Maritime Organisation (IMO)**.

OIL & GREASE REMOVER HD 999 was evaluated through IMO's Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH Working Group) and found to meet the requirements of paragraph 1.8.2 of the P&A Standards.

PHYSICAL PROPERTIES

OIL & GREASE REMOVER HD 999 is a solvent based liquid solution that contains aliphatic solvents, non-ionic surface-active agents, emulsifying agents and concentrated constituents.

Appearance / Color	: Clear, colorless liquid
Specific gravity	: 0.80 gr/cm ³ at 20 °C
Flash Point	: > 40 °C
Odor	: Slight Aromatic
Stability	: Very Stable

OIL & GREASE REMOVER HD 999™

PACKAGING

Order Number	: 832522 (25 ltrs), 832122 (210 ltrs)
Container	: Steel drum

APPLICATION AND USE

A. Dosing Procedure

OIL & GREASE REMOVER HD 999 may be applied in its concentrated state at room temperature or in solutions with gas oil of 6–12% with a maximum temperature of 60 °C.

The quantity to be applied varies according to the degree of deposition or contamination to the subject in question. Therefore, the user is the one to consider the necessary quantity, this depends on the degree of cleaning desired, the down time period and the degree of accumulation.

B. Cleaning Procedure

Once the quantity has been determined, apply using any of the following methods: brushing and soaking/immersion.

Brushing is applicable to situations with light accumulation, large and small surface areas and highly contaminated parts or engine components.

Soaking/Immersion is used in situations where we deal with dismantled parts, articles and engine components. Here, brushing may be applied in coordination with immersion to remove heavy accumulation.

After the application, no matter which method is used, leave the solution to soak for as long as necessary and rinse with fresh water (in some cases, a high pressure water supply is recommended).



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/vapour. 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.

MARICHEM MARIGASES Worldwide Services or any subsidiary or associated companies warranties of merchantability and competence, if any, along with any expressed warranties concerning this merchandise, shall not be actionable or pertinent or effective if the good is used contrarily or differently to the directions herein and in no other way due to impending hazards from inappropriate use of the good explained herein. Merchandise might vary insubstantially depending on country of origin. The information provided concerning merchandise is exclusively presented to the customer.