



MARICHEM C.R.-LT™

DESCRIPTION

MARICHEM C.R.-LT is an advanced liquid product specifically made to attack, penetrate and efficiently remove completely carbonized soils, grease, oil, varnishes and other heavy deposits from diesel engine blocks, gear boxes, pistons, rings, valves, atomizers, pipes, burner tips, coolers and other engine parts. **MARICHEM C.R.-LT** does not contain any chlorinated solvents, phenolic compounds and corrosive ingredients. It consists of low toxicity ingredients with improved cleaning properties. It has been proven to be the most effective product in its category due to its quick and complete action.

ADVANTAGES AND CHARACTERISTICS

- Removes completely carbonized and baked soils, grease, oil, varnish, combustion by-products and other deposits as well as old paint, resins and lacquer coatings.
- Insoluble materials are softened and they can easily be removed with water.
- It is effective on Aluminum surfaces where the most Carbon Removers could cause corrosion and deterioration due to Chlorinated Solvents and Hydroxyl Compounds.
- Does not contain Chlorinated Solvents, Phenolic compounds & non biodegradable Nonyl Phenol Ethoxylates.
- Acts quickly and thoroughly.
- Non-flammable.
- Non-corrosive to most metal surfaces and parts.
- Very efficient on Aluminium baked carbon surfaces.
- Very good results are achieved under ambient cleaning conditions; this eliminates the need for mechanical means, requiring heat.
- Contains a strong corrosion inhibitor.
- Can be combined with a specific range of products.
- Easy to apply and use.

PHYSICAL PROPERTIES

MARICHEM C.R.-LT is an advanced liquid product consisting of low toxicity ingredients with improved cleaning properties.

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| Appearance / Color | : Orange to Yellow liquid |
| Specific gravity | : 0.95–1.00 gr/cm ³ at 15°C |
| Flash Point | : >61°C |
| pH | : 11-12 |

PACKAGING

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| Order Number | : 832505 (25 ltrs). |
| Container | : Steel drum. |

APPLICATION AND USE

For Dosing Procedure

Soaking/Immersion Method

This method gives maximum efficiency results with minimum use of **MARICHEM C.R.-LT**.

For removal of light deposits or oil, a dilution of up to 1:3 in fresh water can be used.

Light Deposits could be removed at 1–2 hr but for hard baked-carbon soils the product must be used undiluted and for a time period of 2–12 hrs. The product needs to be applied at a temperature higher than 20°C and heating of the soaking tank is required. It could be heated up from 20°C to 60°C for efficient and complete removal of soil, but in that case the user must make sure that a cover on the tank is used in order chemical evaporation to be avoided. The liquid is very safe upon heating use and does not emit toxic, volatile or harmful compounds.

Brush Method

The quantity of **MARICHEM C.R.-LT** to be used cannot be prescribed, since it must be applied diluted and in quantities sufficient enough to treat the problem at hand. The quantity depends on the degree of cleaning desired and the contamination level. The operator is basically the one to judge the actual quantity needed in order to accomplish a particular cleaning job.



Cleaning Procedure

Soaking/Immersion Method

The application of **MARICHEM C.R.-LT** when carried out using the soaking/immersion method is according to the following procedure.

Initially, the desired quantity of **MARICHEM C.R.-LT** solution must be put into a steel bath, then, the parts/items for cleaning should be immersed and soaked for a period of 2–12 hours, depending on the degree of deposition/soiling.

The user must make sure that the rubber, silicon, plastic and elastic parts have been removed from the metal, before starting the cleaning procedure, as the product affects all these kind of materials. In case the temperature is below 20°C the user must apply heat to the cleaning tank. The product could be heated up to 60°C where it will be more

efficient. Light deposits will be removed in about 1–2 hours time, whilst heavier deposits will need overnight soaking. Afterwards, these treated parts/items must be taken out from the bath and washed thoroughly with a high-pressure water supply jet system, or with a sponge. Finally, dry them with the use of a cloth.

Brush Method

Once the quantity of **MARICHEM C.R.-LT** has been determined, apply to contaminated large parts/equipment, heavy pieces by brushing and/or wiping with a piece of thick cloth. Continue brushing until deposits are saturated and removed. Spray with water or sponge to rinse and then dry with an unused cloth.

For both cleaning procedures described above adequate ventilation is required.

SAFETY AND HANDLING

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| 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 immediately. |
| Skin Contact | Avoid Skin contact. Otherwise, wash contaminated area thoroughly with water. Seek medical attention immediately. |
| 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.