

YOUR CHEMICAL
SOLUTION
PROVIDER



StarMarine
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DESCALEX LIQUID

A Heavy Duty liquid acid descaler with anti-foaming properties

- * Remover heavy deposits of water scale and iron oxides.
- * Very effective without heat.
- * Inhibited to protect cleaned surfaces from acidic attack.
- * Can be used on most common metals.
- * Effective lavatory system cleaner.

Application

Descalex Liquid is suitable for cleaning boiler's condensers, evaporators, heat exchangers, cooling and pipe systems. It must not be used on zinc, aluminum, stainless steel, galvanized materials or cast iron.

Directions for use

General

1. We recommend that a preliminary test is carried out on samples of the original scale or deposit in order to select the most suitable acid cleaner and optimize product concentration and temperature conditions.
2. Where a boiler is soiled with light oil deposits, or if silicates and/or calcium are present, boiling out with Alkaline (CAUS) is recommended.
3. If heavy mineral oil deposits are present in cooling system, a preliminary treatment with an emulsifying cleaner, such as HD Cleaner is necessary.
4. If heavy oil deposits are present in cooling systems a preliminary treatment with the emulsifying cleaning agent Solvent Cleaner is necessary.



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Circulation method

1. Remove zinc, aluminium, cast, iron, galvanised and stainless steel components before commencing the operation.
2. Before cleaning with Descalex Liquid solution we recommend thorough rinsing with water. This will partly or completely remove loose sludge, scale, etc.
3. Depending on the nature of the scale and degree of contamination, 1 Ltr. of Descalex Liquid is added to 4-9 Ltr. of water. Further dilution with water is not recommended as the excellent inhibiting effect will be reduced.
4. Descalex Liquid is normally used cold. However the solution may be heated to a maximum of 55 C which will result in a quicker cleaning process.
5. During the cleaning process inflammable and/or toxic gases may be released, therefore, adequate ventilation must be provided. Avoid naked flames.
6. The length of the cleaning operation depends on the thickness and type of deposit and also on the concentration of the product used. Generally speaking this period will be within 24 hours.
7. After cleaning drain off the cleaning solution and neutralise with Alkaline (CAUS) outside the system.
8. Rinse the system thoroughly with water until there is a neutral reaction on pH paper.
9. Finally rinse with a 1% solution of Alkaline (CAUS) .

Circulating system

StarMarine provides a portable circulating pump and tank systems ideal for this product. Please refer to the StarMarine equipment information sheet.

Cleaning in immersion baths

Fill a plastic or plastic lined bath with a solution of Descalex Liquid in water. (1 part Descalex Liquid to 2 parts water). Descalex Liquid is normally used cold but the solution may be heated to a maximum of 55C for quicker results. Introduce the components to be cleaned into the bath and let them soak for a maximum of 24 hours, depending on the degree of scaling. Remove the components from the bath and rinse them with a powerful water jet.

Properties

Light brown liquid containing hydrochloric acid, completely miscible with water. Low foaming. Suitable for use on most common metals, except zinc, aluminum, cast iron, stainless steel or galvanized materials

Specific gravity (20°C)	: 1.15
Flash point pm cc	: None
pH (1% solution)	: 1.0

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

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