Wilhelmsen

Product group: **651** Product number: **571646**

Unitor™ Descalex™ is a powerful dry acid cleaner formulated to remove rust and scale deposits. It contains a colour indicator to show the strength of the cleaning solution and anti-foaming agent.



Product information

Descaling of Boilers, Descaling of Diesel Engine Cooling Water Systems, Condensers, Evaporators, Calorifiers, Heat Exchangers:

Unitor™ has developed a 210 litres capacity cleaning unit designed among other for use with chemical acid solutions for cleaning boilers, calorifiers, heat exchangers and other types of equipment where rust and scale form.

Unitor™ Chemical Cleaning Unit: Product no. 737189

Features

- Dry acid concentrated cleaner contains inhibitors to protect metals
- Contains colour indicator to show the strength of the solution and anti-foam agent
- Safe and easy handling and storage
- Removes scale from boilers and diesel engine cooling water systems
- Removes scale and rust from condensers, evaporators, heat exchangers etc.

Benefits

- Efficient, economical, and safe to use
- Fast and effective scale remover

Specification

General

Invent Hazard Material (IMO/EU) classification	C-11

Physical properties

Appearance	Orange
Density [g/ml]	1,2
Form	Powder
pH	

Technical data

Not Compatible	Avoid aluminium, zinc, tin and their alloys and galvanized surfaces.

Notes regarding safety in descaling operations:

Unitor™ Descalex™ contains strong acids. Handle with care and pay special attention to the Safety Data Sheet and / or Product Label. Use personal protection equipment as recommended.

Reaction products from acid components in descaling products may include gasses like carbon dioxide and hydrogen. Formation of hydrogen gas can be monitored with gas detection equipment on the vents. To avoid suffocation and potentially explosive atmosphere, gasses should be removed safely by purging system with water after draining the cleaning solution. Vent of system during descaling operations must be provided for same reason.

Always use gas detection equipment to check that the atmosphere is safe before entering confined spaces for inspection after descaling operations. When circulating the descaling solution, always circulate with inlet at the bottom to avoid air pockets and potential entrapment of gaseous reaction products.

Approvals

Approved by the Norwegian National Institute of Public Health for cleaning of evaporators.

Documents

SDoC and MD for IHM

Directions for use

The most effective descaling is accomplished by circulation. In the case of small components, the soak method in an immersion bath can be used.

If the equipment to be cleaned is contaminated by oil, grease and sludge, then pre-cleaning with Unitor™ Seaclean Plus or Unitor™ Enviroclean is necessary.

Depending on the extent of scaling, use a solution of 2.5--10% Unitor™ Descalex™. The solution will have a red colour which disappear when the solution is neutralised. Whenever possible, the solution should be heated to 60°C.

Neutralised solutions can be reactivated by adding more Unitor™ Descalex™ until the red colour reappears. This should not be done more than twice.

Unitor™ Descalex™ should not be used on aluminium, zinc, tin or galvanised surfaces.

After use of Unitor™ Descalex™ a 0.5% solution of Nalfleet™ Alkalinity Control in fresh water should be used for neutralisation.

Related products

Is frequently bought together with

765018
ENVIROCLEAN 25 LTR

571687
DISCLEAN 25 LTR

737189
CHEM. CLEAN. UNIT W/HEATING, COATED

589945
GAMAZYME BTC 12 X 1 LTR

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