

Промышленные средства для удаления известкового налета

Технические характеристики

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04- ECO TECHNICAL LINE

DECRUSTING PICKLING DETERGENT D.D.2001

CHARACTERISTICS : this product has been conceived to remove calcareous and ferruginous encrustations, as well as various oxidation types from ferrous materials.

DILUTION : prepare a solution containing 2% to 10% product (200 ml - 1 l product in 10 l water) according to the thickness of the calcareous and ferruginous layers to remove;

USE :

- 1) apply the solution by brush or spray or by dipping: the contact time is very important in order to favour the chemical attack of the layers to remove.
- 2) rinse the surface to treat with water abundantly.

NOTE : we suggest operating temperatures of 50°C to 60°C;
stirring favours the attack speed;
from time to time regenerate the solution

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement
Code(s):

Danger



**Causes severe skin burns and eye damage.
May cause an allergic skin reaction.**

Precautionary statements:

Avoid breathing vapours.
Wash with water thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
If skin irritation or rash occurs: Get medical advice/attention.
Dispose of the product/container in accordance with existing regulations.

Contains: phosphoric acid, 2-Butoxyethanol , anticorrosive, Alcohol ethoxylate

**Contains
(Reg.EC 648/2004):**

< 5% non-ionic surfactants

PROFESSIONAL USE ONLY

CODES : 1320010K0301502

04- ECO TECHNICAL LINE

TUBE NEST AND EQUIPMENT LIME SCALE REMOVING DETERGENT D.F.T.A.2002

CHARACTERISTICS : this product has been conceived to decrust with remarkable efficiency tube nests and equipment in all cases where it is necessary to remove calcareous deposits, because of its very high penetrating capacity.

DILUTION : prepare solutions with 5% to 20% (500 ml - 2 l product in 10 l water) product according to the thickness of the deposits to remove;
after treatment, rinse with water abundantly;
we suggest to neutralize the effluent waters before discharging them into depuration plants or sewer systems.

USE : CONDENSERS, HEAT EXCHANGERS, COOLING TOWERS, ETC.

- 1) discharge the kettle;
- 2) rinse with water abundantly;
- 3) refill the kettle;
- 4) add the product according to the suggested doses;
- 5) it is necessary to recirculate the water in the equipment for 15 minutes;
- 6) keep the pH between 1.5 and 2 for 3-4 hours, adding as much product as it is necessary;
- 7) if the pH value remains around 2 without further additions, it means that decrusting is over;
- 8) discharge and rinse the kettle until the effluent water is neutral.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement **Danger**
Code(s):



May be corrosive to metals.
Causes severe skin burns and eye damage.

Precautionary statements:

Keep only in original packaging.
Do not breathe vapours.
Wash with water thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Absorb spillage to prevent material damage.
Store locked up.
Dispose of the product/container in accordance with existing regulations.

Contains: chloridric acid

UFI: AFA3-U08F-900N-RD92

Safety data sheet available on request for professional users

CODES : 1320020K0301503

04- ECO TECHNICAL LINE

METAL DETERGENT D.M.2003

SUITED FOR ALUMINIUM

CHARACTERISTICS : the formulation of this product contains active principles suited to remove difficult oxidations and encrustations from metal surfaces

- acid product, it is suited for window and door aluminium frames, external house fronts, handrails, telephone booths, highway cabins;
- very high solubilizing and penetrating power;
- low foam formation.

DILUTION : do not dilute the product, when used on more resistant dirt (e.g. aluminium); dilute from 10% to 20% (1 l - 2 l product in 10 l water) according to the degree of oxidation and deposits to remove.

USE :
1) apply the product by sponge, rag or spray;
2) rinse with water.
We suggest to check the product over a small sample surface before carrying out the treatment.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement **Danger** Causes severe skin burns and eye damage.
Code(s): May cause respiratory irritation.
May be corrosive to metals.



Precautionary statements: Avoid breathing vapours.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of the product/container in accordance with existing regulations.

Contains: 2-Butoxyethanol , anticorrosive, Dodecylbenzene sulfonic acid

Contains (Reg.EC 648/2004): < 5% anionic surfactants

PROFESSIONAL USE ONLY

CODES : 1320030K0101504

04- ECO TECHNICAL LINE

KETTLE MAINTENANCE DETERGENT D.M.C.2009

CHARACTERISTICS : this product has been conceived to decrust with remarkable efficiency tube nests and equipment in all cases where it is necessary to remove calcareous deposits, because of its very high penetrating capacity.

DILUTION : prepare solutions with 5% to 20% (500 ml - 2 l product in 10 l water) according to the thickness of the deposits to remove. After treatment, rinse with water abundantly.

We suggest to neutralize the effluent waters before discharging them into depuration plants or sewer systems.

- 1) discharge the kettle;
- 2) rinse with water abundantly;
- 3) refill the kettle;
- 4) add the product according to the suggested doses;
- 5) warm up the kettle water up to 50° C / 60 ° C; keep manhole and vents open;
- 6) keep the pH between 1.5 and 2 for 3 - 4 hours, adding as much product as it is necessary; carbon dioxide develops during the descaling operation, it is essential to allow it to escape.
- 7) if the pH value remains around 2 without further additions, it means that decrusting is over and furthermore there is no more development of carbon dioxide;
- 8) discharge and rinse the kettle until the effluent water is neutral (pH 7).
Do not use on galvanized steel, aluminum, stainless steel and tin-plated components.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement Code(s): **Danger** May be corrosive to metals.
Causes severe skin burns and eye damage.



Supplemental Hazard statement Code(s): not applicable

Precautionary statements: Keep only in original packaging.
Do not breathe vapours.
Wash with water thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Absorb spillage to prevent material damage.
Store locked up.
Dispose of the product/container in accordance with existing regulations.

Contains: chloridric acid

UFI: AFA3-U08F-900N-RD92

Safety data sheet available on request for professional users

CODES : 1320020K0301507

04- ECO TECHNICAL LINE

ACID HOUSE FRONT DETERGENT F.A.C.2012

CHARACTERISTICS : this product removes lime scale deposits and ferruginous encrustations formed on surfaces with high efficiency

- strong acid;
- very high detaching power;
- high viscosity;
- suited for *acid resistant surfaces* (bricks, porphyry, slate, cement, etc.);
- **on marble, granite, travertine AND ANY SURFACE WHICH CAN BE ATTACKED BY ACID, use this product AFTER ALTERATION TEST ONLY;**
- phosphate free.

DILUTION : the product may be used undiluted.

USE : apply undiluted product on the surface by brush; let it to react rubbing with a scrubber.

Rinsing is very important to avoid corrosion phenomena.

The first rinsing must be carried out with a 3% - 5% solution (300 ml - 500 ml product in 10 l water) of ALKALINE HOUSE FRONT DETERGENT F.A.L.2011.

The following rinsing must be carried out with pure water.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement Danger

Code(s):



Causes severe skin burns and eye damage.

Toxic to aquatic life with long lasting effects.

Precautionary statements:

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash with water thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water [or shower].

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Collect spillage.

Dispose of the product/container in accordance with existing regulations.
tetrasodium ethylene diamine tetraacetate, chloridric acid , alchilamine
etossilate, nonionic surfactants

Contains:

Contains

(Reg.EC 648/2004):

>= 5% < 15% non-ionic surfactants, < 5% EDTA and salts thereof

UFI: 3VD3-00KJ-V00G-9XKV

Safety data sheet available on request for professional users

CODES : 1320120K0251509

04- ECO TECHNICAL LINE

ALKALINE HOUSE FRONT DETERGENT F.A.L.2011

CHARACTERISTICS : this product has been formulated as highly alkaline detergent to clean house fronts in general

- highly alkaline detergent;
- it removes old encrustations;
- suited for house fronts, monuments, etc.
- suited for marble, concrete, granite, calcareous stones, etc.
- **phosphorus free.**

DILUTION : the product may be used undiluted.
According to the kind of dirt, when used with hydro-cleaners, the product may be diluted 30% - 50% (3 l - 5 l product in 10 l water).

USE : apply undiluted product by scrubber; if used in solution, spray the product by means of hydro-cleaners.

Rinsing is very important to avoid corrosion phenomena.

The first rinsing must be carried out with a 3% - 5% solution (300 ml - 500 ml product in 10 l water) of ACID HOUSE FRONT DETERGENT F.A.C.2012. The following rinsing must be carried out with pure water.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement **Danger**
Code(s):



Causes severe skin burns and eye damage

Precautionary statements:

Do not breathe dust/fume/gas/mist/vapours/spray.
Wash with water thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Dispose of the product/container in accordance with existing regulations.

Contains: sodium hydroxide

Contains < 5% EDTA and salts thereof
(Reg.EC 648/2004):

UFI: 3XD3-H08Y-6000-X95X

Safety data sheet available on request for professional users

CODES : 1320110K0251508

04- ECO TECHNICAL LINE

SUPER LIME SCALE REMOVER HD

CONCENTRATE

CHARACTERISTICS : this product has been conceived to eliminate lime scale deposits and ferruginous encrustations

- suited building applications where there is concrete residuals to remove;
- swimming pools floors to remove lime scale and soil;
- suited for removing niter blooming from fired tiles and grès floors;
- highly penetrating into calcareous layers;
- low foam generation;
- **NOT USEFUL ON MARBLE.**
- **BE CAREFUL TO USE IT ON CHROME COATED ITEMS !**

DILUTION : dilute from 5% to 20% (500ml - 2 l product in 10 l water) according to the quantity of dirt and lime scale encrustations to remove.
After treatment, rinse with a lot of water. It is suggested to neutralise rinsing dirt water adding caustic soda before inletting the liquid in the depuration plants or sewer system.

USE :

- 1) prepare the solution in a bucket;
- 2) wash the floor by mop or machine;
- 3) let the product react few minutes
- 4) **rinse with water abundantly.**
- 5) if necessary, repeat the complete operation.

Labelling according to Regulation (EC) No 1272/2008:

Hazard statement **Danger**
Code(s):



Causes severe skin burns and eye damage.
May cause respiratory irritation.

Precautionary statements:

Avoid breathing vapours.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of the product/container in accordance with existing regulations.

Contains: chloridric acid

Contains (Reg.EC 648/2004): < 5% non-ionic surfactants

UFI: C1E3-00YC-G00G-MMS0

Safety data sheet available on request for professional users

CODES : 1320021K0108801

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