



## DUONETT® D7

### DESCRIPTION

**DUONETT® D7** is a liquid intended for removing limescale and other deposits from boilers, heat exchangers, and domestic and industrial water circuits and pipework.

**DUONETT® D7** is fully biodegradable and does not give off smoke, or any toxic or irritating vapour. It can be safely used with materials that are widely encountered such as copper, steel, stainless steel, glass or plastic. For galvanized systems a concentration of 35% should not be exceeded.

Compared to traditional products, it is much easier to use, poses no risk to the user and does not require any particular storage conditions. After use, the waste product and water used for flushing can be disposed of in the sewer (after analysis and depending on local regulations). No neutralisation is needed after application. **DUONETT® D7** can be used in agricultural and food applications. In this case, its application should be followed by rinsing with copious amounts of drinking water.

### CHARACTERISTICS

		Method	
Colour		Visual	Dark brown
Density	g/ml	MO 0810	1,047 ± 0.1
pH undiluted		MO 0710	Not measurable
pH to 10 %		MO 0710	< 2
Surface tension at 1 %	Dynes/cm	Laboratory	58.8
Refractive index at 20°C		Laboratory	1.37 ± 0.2
Solubility in water			Total
BOD	mg/l		16

One litre of undiluted **DUONETT® D7** will dissolve about 280 grams of calcium carbonate.

### INSTRUCTIONS FOR USE

**DUONETT® D7** should be used at ambient temperature.

When mixed with water a slight amount of heat is produced and the temperature may rise by 10°C. Introduce **DUONETT® D7** into the installation to be descaled, adding water until a 40 % concentration or thereabouts is obtained. (For galvanized systems 35 % max).

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Circulate the solution in the system (see table below).

At the end of the treatment time, with the solution still circulating, check the pH every 15 minutes and make a note of the readings.

If the pH is greater than 6 for 3 successive readings the solution is saturated and should be renewed (partially or completely).

If it remains below 6, the equipment is clean.

Drain, flush and restore to service.

### COMMENTS

The circulation time should be adjusted to match the volume of the installation.

Volume of the installation	Circulation time
0 - 100 l	1 hour
100 l - 200 l	2 hours
200 l - 600 l	3 hours
600 l - 1 100 l	4 hours
1100 l - 2 000 l	6 hours
2000 l - 3 000 l	8 hours

pH measurement should be carried out at regular intervals to eliminate the risk of variations due to limescale being released.

**DUONETT® D7** can also be used for soaking. The mode of operation remains the same.

### PACKAGING

5 kg jerry can  
20 kg jerry can  
210 kg drum.

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## SAFETY INSTRUCTIONS

Like most detergent solutions, **DUONETT® D7** is an electrolyte. Salt water and vinegar are also electrolytes, which means that they are weak conductors of electricity and may cause the transfer of metal particles to be transferred. When de-scaling an installation containing different metals, for example copper and steel, you should check for this phenomenon and avoid treatments taking a long time (more than 12 hours).

Storage and transport not subject to regulation.  
See safety data sheet.

You can find the Safety Data Sheets (SDS) by registering in the members area of our website: [www.dehon.com](http://www.dehon.com)

*The information contained in this product sheet is the result of our testing and our experience. It is provided in good faith, but under no circumstances can be construed as being a guarantee, neither does it render us liable, in particular for losses sustained by third parties, nor for failure by users of our products to abide by current regulations governing their use.*

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