



Alpacon Descalant II

Cleaning agent for scale removal

Proper cleaning of process equipment is fundamental to operational reliability as well as to profitability. The safe, quick and effective removal of scale from equipment surfaces helps optimize processes.

Application

The Alfa Laval Alpacon Descalant II is a concentrated liquid cleaning agent designed for the removal of scale, magnetite, algae, humus, shellfish including mussels, lime, rust and other deposits in water systems such as pipes, heat exchangers, centrifugal pumps, and operating water systems for purifiers. Non-corrosive and compatible with steel, brass, copper and aluminium, this high-performance scale remover can be used for Cleaning-In-Place (CIP) systems as well as for manual cleaning.

Benefits

- *High-performance scale remover and cleaner*
Alpacon Descalant II achieves high levels of scale removal, yet has no tendency to cause foaming or emulsions.
- *Safe and easy to use*
Easy to dilute, Alpacon Descalant II offers both convenience and simplicity compared to dry acid cleaners, which must be dissolved in water prior to use. Prior to dilution, it is classified as a skin irritant but once properly diluted it is safe to use.
- *Easy to transport*
Due to its highly concentrated formula, Alpacon Descalant II further reduces transport costs. In addition, it has no transport restrictions for all modes of transport and has been certified by major international organizations (see Certifications, overleaf).
- *Minimal environmental impact*
Based on a common biological material, this highly biodegradable formulation has minimal environmental impact. For use in the offshore and gas industry, the Alfa Laval Alpacon Descalant Offshore, a Harmonised Offshore Chemical Notification Format (HOCNF)-approved cleaning agent, is recommended.



- *Global support from a leading supplier*
A global supplier and an experienced partner in the removal of soil from process equipment, Alfa Laval offers a complete range of solutions to optimize operations whether on ships, at offshore facilities or land-based plants. Our global service network provides fast access to spare parts and equipment, expert service and technical support. Companies of all types, whether based on land or at sea, rely on us for technical support, harbour support in most major ports, onsite service and genuine spare parts – all available at short notice.

Operational data

It is important to follow these instructions when using Alpacon Descalant II.

Instructions for use

Safety gear	Chemical protection gloves must be worn. Eye protection, such as safety glasses or protective goggles, is recommended.
Mixing ratios	The recommended mixing ratio is 1:10, that is, one part of Alpacon Descalant II to 10 parts of water.
Cleaning time	3 to 6 hours.
Recommended cleaning temperature	50° to 70°C (122° to 158°F). <i>Note: Higher temperatures increase cleaning efficiency.</i>
Control of the cleaning process	Monitoring the pH value in the recirculating liquid is the best way to control the cleaning process. If the pH value exceeds 2.5, an additional dosage of Alpacon Descalant II is recommended to promote the removal of large quantities of scaling minerals, such as limescale deposits.
Scale contamination	If, during the cleaning process, visual scale is present but scale removal is poor and the pH value stabilizes within one hour, the scale may be contaminated with oil or grease. In such circumstances, adding Alpacon Descalant II to the cleaning liquid is recommended.

Technical data

Appearance	Slightly cloudy liquid
pH value at 20°C (68°F)	1
Relative density	1.11 g/cm ³ at 20°C (68°F)
Solubility in water	Fully miscible in water

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Certifications

The Alfa Laval Alpacon Descalant II cleaning agent has been certified by the following agencies for safe transport: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR), International Maritime Dangerous Goods Code (IMDG), and the ICAO (International Civil Aviation Organisation) and the IATA (International Air Transport Association).

Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com