



DESCALING LIQUID EXTRA

Heavy-duty acid compound containing corrosion inhibitors and surfactants.

FEATURES & BENEFITS

- **Highly concentrated product that is easy to use**
- **Fast and efficient removal of scale and iron oxides**
- **Contains protective corrosion inhibitor against attack on ferrous metals**
- **Also contains inhibitors against corrosive attack**
- **Safe and easy handling and storage**
- **In-situ cleaning eliminates need for extensive dismantling**
- **Removes scale from boilers**
- **Removes scale from engine cooling water systems**
- **Removes scale from condensers and heat exchangers**
- **Very effective at removing scale from evaporators**
- **Easy to rinse off and neutralise**

APPLICATIONS

DESCALING LIQUID EXTRA is suitable for removal of hardness scale and/or iron oxides from boilers, condensers, evaporators, heat exchangers, cooling systems, etc. It must not be used on zinc, aluminium, galvanised materials, cast iron and stainless steel.

DIRECTIONS FOR USE

Descaling can be accomplished by circulation. For large components and systems, use in-situ soaking. For small components soak in immersion bath. The most effective method is by circulation as it ensures renewal of acid film in contact with the scale.

CIRCULATION METHOD

If deposits to be removed are covered with oil or grease, a degreasing treatment with a solution of 2 - 8% of TANK CLEAN ALKALINE, CARBON REMOVER NC or SEACLEAN VOYAGE with water should be carried out prior to descaling. Circulate solution for 4 - 6 hours with a temperature of 60°C.

After degreasing, start descaling treatment with a solution of 5 - 10% DESCALING LIQUID EXTRA with water. The solution should be circulated for 1 - 4 hours for hardness scale, and 10 - 20 hours for iron oxide scale, depending on nature and state of the deposits.

**For product characteristics and for the nature of special risks and safety advice consult our MSDS.
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Ensure circuit is vented at the highest point to release gases produced during the descaling treatment. Cleaning solution may be heated to 40°C in order to increase the descaling process rate. Check the acid concentration of the solution regularly. If it drops to less than ½ initial concentration, regenerate the solution by adding more DESCALING LIQUID EXTRA. Determination of the acid concentration may be found using VECOM MARINE REAGENT PH-PAPER 0-14.

The progress of operation may be followed by placing scale samples in easily observed positions. When the samples are completely dissolved and effervescence has stopped, circulate for one more hour, then drain system thoroughly. Rinse thoroughly with water, then drain.

SOAKING METHOD

Procedure is similar to that for circulation, i.e. degreasing, descaling (ensuring venting), rinsing and neutralising. The same solution strengths should be used. If the descaling solution can be agitated, this will help to renew the acid film coming into contact with the scale.

STANDARD PACKING

DESCALING LIQUID EXTRA is usually available in plastic cans of 25 l and plastic drums of 200 l.

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