



## DESCALER POWDER NI

Non-inhibited water-soluble acid powder for removing water scale and rust.

## FEATURES & BENEFITS



- Easy to use and easy to dissolve acid powder
- Fast and effective scale and rust remover
- 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
- Powder product - safe handling and storage

### APPLICATIONS

DESCALER POWDER NI is suitable for removing water scale and rust in diesel engine cooling water systems, boilers, evaporators, condensers, etc.

### DIRECTIONS FOR USE

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

#### CIRCULATION METHOD

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

After degreasing, a descaling treatment with a solution of 5 - 10% by weight of DESCALER POWDER NI with water the mixture should be circulated. The cleaning time depends on the nature and state of deposits. To avoid saturating the solution, do not exceed solution strength of 10%. Ensure circuit is vented at the highest point to release gases produced during descaling operations.

Product solution may be heated to increase the descaling process rate up to a maximum of 60°C. Regenerate the solution by adding more DESCALER POWDER NI. To avoid the possibility of a saturated solution, no more than 2 regenerations should be made. If further treatment is necessary the circuit should be drained and a fresh charge introduced.

For product characteristics and for the nature of special risks and safety advice consult our MSDS.  
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A check on the progress of the descaling operation may be made by placing scale samples in easily observed positions. When the samples are completely dissolved, circulate for one more hour then drain system thoroughly. Rinse thoroughly with water, then drain until pH 7 is reached. Neutralise the acidic effluent drained from the descaling solution by using ALKALINITY CONTROL until an acceptable pH value is obtained.

#### SOAKING METHOD

Procedure is similar to that for circulation, i.e. degreasing, descaling (ensure ventilation!), rinsing and neutralising. The same solution strengths should be used. If agitation of the descaling is carried out the cleaning process will be accelerated.

#### STANDARD PACKING

DESCALER POWDER NI is usually available in plastic buckets of 25 kg.

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