



Quality Chemicals  
with  
excellent performance

## APEX CHEMICALS

### A-175

### DESCALER POWDER

- Contains inhibitor to protect based metal from acid attack during cleaning.
- Effectively remove hardness deposits and rust from the water side of marine equipment.
- Easy and quick soluble in water.
- Safer and easier to handle.

#### PRODUCT DESCRIPTION:

A-175 DESCALER POWDER is an inhibited organic acid-based product. It is specially formulated for removing of hardness deposits and rust from the water side of marine equipment like:

***Water pipes, engine cooling water system, boiler, condensers, heat exchangers, radiators and evaporators etc.***

The built-in inhibitor will minimise acid attack on based metal during cleaning process.

#### APPLICATION:

Greasy and oily parts should be pre-cleaned with APEX-303 ECOCLEAN or APEX-550 SEACLEAN VOYAGE before commencing cleaning operations with A-175 DESCALER POWDER.

Pre-dissolve A-175 DESCALER POWDER in fresh water before adding to the system.

#### DOSAGE

For general descaling of heat exchanger units, evaporators, radiator or cooling system, recommended dosage is 3 - 10% solution of A-175 DESCALER POWDER based on equipment system water volume. i.e., 30-100 kg per ton of fresh water.

#### SOLUTION TEMPERATURE

The solution can be heated up to 60°C if necessary. Higher temperature may reduce the effectiveness of inhibitor.

#### CLEANING TIME

Circulate the cleaning solution for 4 – 12 hours depends on solution temperature, chemical's strength, circulation and severity of the deposits.

#### CONTROL

Use pH paper to check water pH to determine cleaning solution strength remain during cleaning. Should pH above 3 and the deposit has not been completely removed then more A-175 DESCALER POWDER can be added to bring back the strength, or cleaning process may be repeated.

#### RINSING

Upon completion of cleaning operation, flush the system thoroughly with fresh water to remove all the loosened deposits.



## NEUTRALISING

After flushing the system, apply 0.5% of AWT-11 ALKALINITY COMPOUND i.e., 5 ltr per ton of water and circulate for 30 – 60 mins to remove any acid residue remained in the system.

## CAUTION

Do not apply A-175 DESCALER POWDER to any system while it is operating under pressure. Provide suitable venting when cleaning closed systems. Keep open flames away from the vent during and immediately following cleaning as some hydrogen gas may evolve during acid cleaning.

**Always add chemical to water not the reverse**

A-175 DESCALER POWDER should not be used on system with aluminium, zinc, tin or galvanise.

## PHYSICAL PROPERTIES

Appearance	: White
Relative Density	: N.A
Form	: Powder
pH	: N.A

**Packaging** : Supplied in 25 kgs non-returnable containers.

## Important information:

Apex chemicals Safety Data Sheets are available. Safety Data Sheets contain health and safety information for proper products handling procedures to protect your employees. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using.

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