

DESCALING

Descaling operation is one of most frequently carried out reactive maintenance programme in any company.

Descaling is carried out to remove the scales adhering to the heat transfer areas and establish effective rate of heat transfer.

Descaling is carried out by these methods by the contractors –

1. Using sulfamic acid.
2. Using uninhibited HCl

Both of these methods are inadequate, incomplete and pose serious corrosion issue during use and/or thereafter.

Eximious propose a set of its two products D'Scale 1000 and D'Scale 3000 which are to be used for complete descaling process, one after another.



Areas to be cleaned and descaled using D'Scale 1000 and D'Scale 3000.

- Boilers
- Condensers
- Heat Exchangers
- PHE's
- Intercoolers and after coolers
- Reactors
- AHU internals
- Pattern presses

D'Scale – 1000



A unique blend of descaling compound which is gentle to metals but very aggressive to scales. D'Scale – 1000 is designed to remove scales of Calcium, Magnesium, Corrosion products along with Dirt, Dust off the metallic surface gently. The strong corrosion inhibitor will protect the metal absolutely while it is descaling the surface. D'Scale – 1000 is a non-volatile liquid containing descaling accelerator, corrosion inhibitor and wetting agent and surfactant.

1. **STRONG POLYMERIC CORROSION INHIBITOR**
The strong corrosion inhibitor in D'Scale – 1000 has a strong affinity towards the metallic surface, forming a monomolecular long chain polymeric film over the metallic surface which covers all bare metallic surface protecting it against possible attacks.
2. **GOOD PENETRANT**
A state of art penetrant in D'Scale – 1000 will take the active ingredients to the base of any scale thereby acting at the roots and detaching the scale totally. The hard baked surface of the scales is made softer and softer in order to increase the efficiency of the treatment.
3. **SURFACTANT AND CHELATING AGENT**
A surfactant in D'Scale – 1000 will keep all the detached scales insoluble form; reduce the surface tension to increase the penetration. The chelating agent will chelate the loose metallic salts.
4. **CATALYST**
Superb catalyst is added to D'Scale – 1000 which will enhance the activity of milder acids and allow deeper penetration and easy removal of scales.
5. **THE POLISHING EFFECT**
The cleaning action of D'Scale – 1000 is like a polishing one, removes the scales and depositions if any and ensures the smooth clean surface.
6. **FAST AND EFFECTIVE**
The action of D'Scale – 1000 on scales is quite fast and effective because of unique accelerator and carrier medium.
7. **TYPICAL APPLICATIONS**
Removal of water scales from boiler, cooling, chilling systems, condensers, evaporators, heat exchangers etc. Eximious Application Engineers and trained dealers will assist for attaining the best results.
8. **HOW TO USE**
The most effective descaling is accomplished by circulation for large systems or components. After using D'Scale – 1000 circulate with D'Scale – 3000 of alkaline solution. This should not be used on Aluminium, Zinc, Tin or Galvanised surface. A typical dose would be from 5 to 10 % of the holdup capacity.
9. **ADVANTAGES**
 - I. The scales and depositions are removed at room temperature.
 - II. Very fast and quick action.
 - III. Complete treatment i.e. after descaling, passivation is carried out using D'Scale – 3000.
 - IV. No separate heating arrangement is required.
 - V. Protection to the metal is absolute.
 - VI. Tried, tested and proven product.
10. **PRECAUTIONS**
Avoid contact with skin and eyes. Advised to use gloves and safety goggles while handling. Do not swallow. Do not breathe vapours. In the case of contact, wash with large quantities of fresh water. Store in air tight container under dry conditions away from heat.
11. **PACKING**
D'Scale – 1000 is available in 50 kg Carboys.

D'Scale – 3000



D'Scale – 3000 is the perfect alkaline blend of chemicals designed to remove the residual acidity and offer passivating, protection on the bare metals.

The penetrant – surfactant combination in D'Scale – 3000 will reach the inaccessible areas and remove the residual acidity if any,

1. **STRONG POLYMERIC CORROSION INHIBITOR**
The strong corrosion inhibitor in D'Scale – 3000 will protect the bare metallic surface, forming a monomolecular long chain polymeric film over the metallic surface which covers all bare metallic surface protecting it against possible attacks.
2. **GOOD PENETRANT**
A state of art penetrant in D'Scale – 3000 will take the active ingredients to the base of any scale thereby acting at the roots and detaching the scale totally. The hard baked surface of the scales is made softer and softer in order to increase the efficiency of the treatment.
3. **SURFACTANT AND CHELATING AGENT**
A surfactant in D'Scale – 3000 will keep all the detached scales insoluble form; reduce the surface tension to increase the penetration. The chelating agent will chelate the loose metallic salts.
4. **CATALYST**
Superb catalyst is added to D'Scale – 3000 which will enhance the activity of milder acids and allow deeper penetration and easy removal of scales.
5. **THE POLISHING EFFECT**
The cleaning action of D'Scale – 3000 is like a polishing one, removes the scales and depositions if any and ensures the smooth clean surface.
6. **FAST AND EFFECTIVE**
The descaling time is shortened due to fast and effective nature of D'Scale – 3000. It is to be used at room temperature, no heating is required.
7. **TYPICAL APPLICATIONS**
Removal of water scales from boiler, cooling, chilling systems, condensers, evaporators, heat exchangers etc. Eximious Application Engineers and trained dealers will assist for attaining the best results.
8. **HOW TO USE**
The most effective descaling is accomplished by circulation for large systems or components. After using D'Scale – 1000 circulate with D'Scale – 3000 of alkaline solution. This should not be used on Aluminium, Zinc, Tin or Galvanised surface. A typical dose would be from 3 to 5 % of the holdup capacity.
9. **ADVANTAGES**
 - I. Very fast and effective action.
 - II. Passivation and polished the surface. Removes scales and depositions if any.
 - III. Penetrates and reactors out in the inaccessible areas quickly.
 - IV. Very low dosages.
 - V. Saves time and labour cost.
10. **PRECAUTIONS**
Avoid contact with skin and eyes. Advised to use gloves and safety goggles while handling. Do not swallow. Do not breathe vapours. In case of contact, wash with large quantities of fresh water. Store in air tight container under dry conditions away from heat.
11. **PACKING**
D'Scale – 3000 is available in 50 kg Carboys.

Regular customers..... To name a few.....



IndianOil



ADITYA BIRLA GROUP



SUN PHARMA



SHETH
A Bond Of Trust
Sheth Developers Pvt. Ltd.

VIVIANA MALL
CELEBRATE EVERYDAY



Cargill™



SIEMENS



P. D. HINDUJA NATIONAL HOSPITAL
& MEDICAL RESEARCH CENTRE



Zydus

Speed Frost
Services Pvt Ltd

Baramati agro™



Coca-Cola Hindustan Coca-Cola
Beverages Pvt. Ltd.



PEPSICO



ECOFINE



Jinal
AGRO INDUSTRIES

You can contact us at -

Eximious Ventures Pvt. Ltd.

ISO 9001- 14001 Certified Company, CIN No. -U29199MH1998PTC114145
1, Ground floor, Jeevan Prem - B, Dharmveer Marg, Behind SBI, Panchpakhadi,
Thane (W) 400 602, Maharashtra, India.

Phone: +91 - 22 2533 3070 , +91 - 22 2536 6774, Mobile : 8080 365 247

E-mail: info@evpl.co.in, Website : www.evpl.co.in/

