

Eco-Friendly Chemical Descaler

Descalers are used for specialised cleaning in the heavy industries such as the oil & gas, petrochemical, refinery and power plant sectors. However, most of these substances sold in the market are corrosive and not environmentally friendly. EWTCOI, in collaboration with *Tuffchem Environmental Pte Ltd*, has developed a proprietary formulation for a new descaler with improved properties. After undergoing tests on severely corroded metal surfaces, the descaler was found to be effective in removing rust. Accelerated ageing and material compatibility tests showed that the shelf life of the descaler could span as long as two years without significant loss of cleaning efficacy. *Tuffchem* intends to set up a manufacturing plant to produce the descaler.

EWTCOI can help you revolutionalise the industry and develop clean and safe innovations.

Key Features & Benefits

- Biodegradable and organic salt
- 20% more effective in removing rust and scale
- Less corrosive

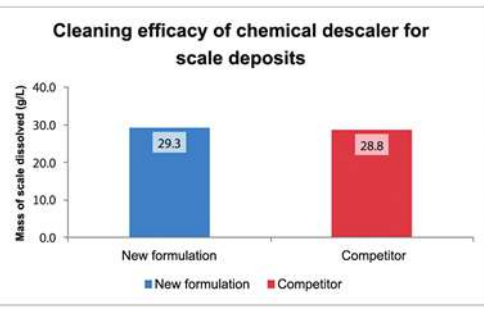
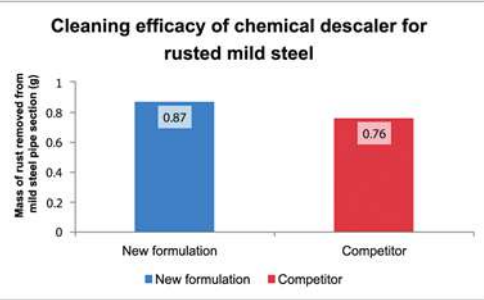
Applications

- Oil & gas, petrochemical, refinery and power plant industries

Pipe section before and after cleaning with environmentally friendly descaler



Comparison of cleaning efficiency of environmentally friendly descaler against competitor



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Firm finds greener, safer way to clean industrial grime

In the second of a six-part series on companies that have used technology to expand their business and stay competitive, **Grace Ong** talks to environmental services provider TCEC Asia.

Centre offer
SHEILA SIVAKUMAR

TCEC Asia, which specialises in industrial cleaning services, has developed a new environmentally friendly descaler. The new descaler is made from natural ingredients and is safe for the environment and workers. It is also more effective than traditional descalers, which often contain harsh chemicals. The new descaler is being used by a number of industrial clients, including a large steel mill. The mill has reported significant cost savings and improved safety since switching to the new descaler. The new descaler is also easier to use and requires less water than traditional descalers. This makes it a more sustainable and cost-effective solution for industrial cleaning. The new descaler is being marketed as a greener and safer alternative to traditional descalers. It is also more effective than traditional descalers, which often contain harsh chemicals. The new descaler is being used by a number of industrial clients, including a large steel mill. The mill has reported significant cost savings and improved safety since switching to the new descaler. The new descaler is also easier to use and requires less water than traditional descalers. This makes it a more sustainable and cost-effective solution for industrial cleaning. The new descaler is being marketed as a greener and safer alternative to traditional descalers.