

Metal Cleaning Products

Suprabha's tryst with anti-corrosion dates back to the '70s with its ground breaking innovation of eco-friendly Suprabha Vapour Corrosion Inhibitor (SVCI*).

VCI's heralded a new era in the world of anti corrosion solutions and Suprabha became India's first eco-friendly SVCI Provider. Better known today as a Corrosion Solutions Provider, Suprabha is an INR 10 billion group with an ISO: TS 16949 Certification. Suprabha has numerous innovations and awards to its credit.

Metal Cleaning

Rusting is a common phenomenon in the engineering industry. It is experienced at various stages of production, right from receipt of raw materials to manufacturing processes, storing and preservation of finished goods etc. In most cases there's little control over corrosion prevention at source. Rejection of the entire consignment in such cases although technically the best solution, is impractical for a number of reasons. Salvage operations are hence inevitable.

Typical Salvage Operation

- Cleaning to remove oil (degreasing / deoiling)
- Rust Removal
- Rust Prevention

These are lengthy and labour intense processes when performed using conventional methods. They also do not yield the best results. The Suprabha research team

has studied these processes in detail and have developed specific products to optimise the efficacy of these processes.

The Suprabha Method

Cleaning

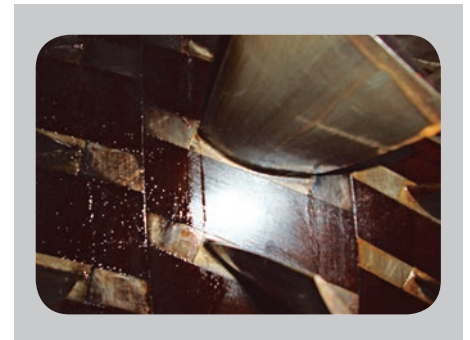
It is a common practice to use alkaline media to remove oil, grease, dust, dirt etc. Often these are not effective. Suprabha has developed a range of water based near neutral cleaners for specific applications. These can be used for cleaning both Ferrous and Non-Ferrous metals. This is the Suprabha ALC series that includes ALC 852/854/855/856 etc. Suprabha also provides a solvent cutback cleaner SVCI 418/448.

Rust Removal

This is the next step in cleaning of metal items. To remove rust scales and oxide deposits, the smaller items can be immersed into a bath of any of the Suprabha Rust Removers, namely the RRM series (RRM 422/423).

After derusting, the components are to be rinsed in plain water thoroughly, followed by immediately dipping into a neutraliser bath of SVCI 302/302V. This is necessary as otherwise the acid drag on metal surface will result in more rust.

Suprabha also offers an additive to the acid tanks which reduces metal loss in the bath, accelerate derusting, and forms a foamy layer on top of the bath which prevents the acid fumes from escaping into the atmosphere and causing damage to the immediate structures.



Rust Convertor

For larger surfaces like fabricated products, where rust removing is cumbersome, Suprabha has a very effective solution where the superficial layer of rust can be converted into a rust preventive coating. For this Suprabha has developed a special product, the FEC 902. This can be applied on any rusted surface and it creates a rust preventive film that protects the underlying surface. Painting on such a surface is possible.

Rust Prevention

For short term and long term protection, Suprabha has a wide range of products for customer specific applications. Suprabha has developed its own methodology to keep corrosion prone items protected for the desired period of time by using water based or oil based products. For more information, please refer to our literature for Rust Preventive Liquids.

"The components cleaned in these products remain rust free for few days"

| PRODUCT CODE | DESCRIPTION | APPLICATIONS | SPECIAL FEATURES |
|-------------------------|--|---|--|
| SURFACE CLEANERS | | | |
| ALC 852 | Near neutral, slightly viscous, synthetic cleaning concentrate | Surface Cleaning - removing oil, grease, dirt, etc. Bath temp @ 55-60°C preferred. for Ferrous metals | Can be diluted with water Excellent wetting and penetrating properties Removes burrs |
| ALC 854 | Near neutral, slightly viscous, synthetic cleaning concentrate | Surface Cleaning - removing oil, grease, dirt, etc. Bath temp @ 55-60°C preferred. for multi metal cleaning | Creates a non-drying imperceptible film. Also a finger print neutraliser |
| ALC 855 | Near neutral, slightly viscous, synthetic cleaning concentrate | Surface Cleaning - removing oil, grease, dirt, etc. Bath temp @ 55-60°C preferred. for multi metal cleaning | Creates a non-drying imperceptible film. Also a finger print neutraliser |
| ALC 856 | Near neutral, slightly viscous, synthetic cleaning concentrate | Surface Cleaning - removing oil, grease, dirt, etc. Bath temp @ 55-60°C preferred. for multi metal cleaning | Creates a non-drying imperceptible film. Also a finger print neutraliser |
| ADV 871 | Additive to inorganic acids. to be used @ 0.5% concentration | To be used in the fresh acid bath @ 0.5% concentration | Reduces cleaning time/reduces metal loss in acid, increases bath life, prevents escape of obnoxious acid fumes from the bath |
| SVCI 418/448 | Near neutral, slightly viscous, synthetic cleaning concentrate | Surface Cleaning - removing oil, grease, dirt, etc. No heating necessary, works at room temperature | Creates a dry surface. Also a finger print neutraliser |
| RUST REMOVERS | | | |
| RRM 422 | Water-based ready to use liquid | Removing rust and corrosion from most Ferrous and Non-Ferrous metal surfaces | No ill effects on paints, plastics, rubber etc. Non flammable and safe for in-plant use |
| RRM 423 | Water-based ready to use liquid | Use in de-rusting tank | Specially for sheet metal cleaning |
| RUST CONVERTER | | | |
| FEC 902 | Ready-to-use liquid | Treatment of pre-rusted large ferrous metal surfaces | Converts the oxide layer into a rust preventive coating |

* SVCI is the registered trade mark of Suprabha

MSDS available on request

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