



Confederate Chemicals Ltd

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EFX-STRIP – TECHNICAL DATA SHEET

Description

A liquid stripping medium, typically used for the removal of epoxy powder coatings from steel substrates. It is not suitable for removing coatings on Aluminium which have been applied over an anodic film. Zinc and Magnesium alloys and Zinc coated steel will be attacked.

The Control of Substances Hazardous to Health Regulations 2002 (COSHH)

For a Safety Data Sheet on this product please contact Confederate Chemicals by telephone, or by e-mail at lab@confederatechemicals.co.uk

Instructions for use

Great care should be taken while handling this product. The availability of Calcium Gluconate Gel should be ensured in case of contact. See Safety Data Sheet for details. We do not recommend the addition of Hydrofluoric Acid to this product, this is done at the users own risk.

The product described in this data sheet will remove, in various degrees, organic coatings from several substrates. We are always pleased to conduct laboratory scale tests of customer's workpieces and to demonstrate samples at the customer's premises in order to assist in determining the most suitable product for his stripping requirements. Nevertheless, because the exact nature of the coating is not always known and because coatings, pretreatments and operating conditions change, the final suitability for a particular purpose must always be determined by the customer.

EFX-STRIP is used as received. The solution should not be heated. Components for stripping should be immersed with care to avoid splashing. When all the coating has been removed, the work should be water rinsed. To avoid attack on substrate immersion times should be minimised. Extended immersion times could produce Hydrogen which is flammable. Regular removal of stripped residues prolongs solution life.

Because EFX-STRIP is acidic, processed steel work may flash rust. A neutralising rinse (COMPOUND FR1) minimises this tendency. For longer term protection a protective dewatering fluid (PO77) should be used.

Safety

UNDER NO CIRCUMSTANCES should an operator enter a tank that has been used for the storage or usage of EFX-STRIP without taking all necessary precautions. As a minimum these should be: -

- (1) An independent air supply
- (2) A safety harness whereby the operator can be removed from the tank without another operator entering it
- (3) Constant supervision
- (4) A permit to work

Equipment

Ideally use a 316 Stainless steel tank with a close fitting lid. Do not allow tank to become pressurised. HD Polypropylene tanks are chemically resistant but subject to stress deformation. GRP, PVC, rubber lined and mild steel tanks are unsuitable. Keep the tank area to a minimum to decrease vapour loss. Consider incorporating a wax seal (FEDERSEAL) or polypropylene spheres to lessen surface area. A WATER SEAL IS UNSUITABLE. Incorporate a frame to the base to keep the work out of the removed residues and a straining basket to facilitate regular removal of stripped residues.



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Equipment (cont)

Site the tank in a well ventilated area. Maintain the vapour concentration in the working area to a minimum but avoid permanent extraction to the tank, as this will artificially deplete the solvent. Site away from welders, radiant heaters and internal combustion engines and these may cause solvent decomposition. Electrical equipment, if any, in the vicinity of the stripping tank should be flame proof. Upon ignition toxic gases and smoke are given off.

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