


TRANSPOWER

QUALITY ALERT!

18 March 2024
Maximo REF No. n/a Audit Ref No. 11680



Primary Asset Cleaning Products

ISSUE IDENTIFIED:

Transpower field audits have identified the use of CRC Brakleen Non-Chlorinated (NC) for the cleaning of earth switch and disconnecter contacts. Whilst Brakleen may be effective at cleaning Disconnector fixed contacts, it will dissolve some plastics, damage anti-corrosion coatings such as Si-COAT 579, and may not be suitable for Nylon & PTFe components such as bushings/bearings etc and is not specified for use by Transpower.

Further as an aerosol spray, typically a lot of product gets used, making it potentially costly with environmental waste through the product and left over empty cans. The product [Safety Data Sheet](#) indicates toxic with environmental hazards, and requires use of additional PPE. Empty containers may also need to be taken to an approved waste collection point for recycling or disposal.



CONTRIBUTING FACTORS:

- Lack of awareness of Transpower specified cleaning chemicals / materials
- Standard Maintenance Procedures (SMPs) & Maintenance Companion Guide (MCG) needing clarity

ACTIONS TAKEN TO PREVENT REOCCURENCE:


This alert emphasize the importance of using Transpower specified cleaning chemicals / materials. Transpower will update the MCG 02.97 AC Stations: Maintenance Companion Guide and SMP's. [SMP 02.44.013](#) 11 kV-220 kV Earth Switches Canterbury Engineering Co. has been updated as follows:

Consumables
<ul style="list-style-type: none"> • Approved paint (refer Maintenance Companion Guide 02.97 Section 9) • Cleaning materials: <ul style="list-style-type: none"> ○ Cotton Rags ○ Enviroclean - Degreasing etc ○ Stainless steel wire brush dedicated to aluminium use only - Bolted connection surfaces ○ Isopropyl Alcohol (in spray bottle) - Removing grease and oil from contact surfaces ○ Autosol - Cleaning copper or aluminium contact surfaces ○ Scotchbrite (green) pads - Bare copper contacts ○ Ultra fine Scotchbrite (grey) pads - Tinned contacts ○ "Silvo" silver metal polish - Silvered contacts

LEARNINGS FROM THIS:

Service Providers are reminded to:

- only use cleaning chemicals / materials specified in SMPs.
- contact Operational Engineering for advice on alternative products they would like to use.



For more information, please contact:

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