



Superior Solutions

NUCLEAR DECOMMISSIONING

Power

Decommissioning is a staged process through which a nuclear facility, at which normal operations have finally ceased, is taken out of service, including full or partial dismantling of buildings and their contents. It may include other operations such as the decontamination of buildings which are not to be dismantled. The objective of decommissioning is to remove the hazard the facility poses progressively, giving due regard to security considerations, the safety of workers and the general public and protecting the environment.



A strategy should take into account all relevant factors, assessing and presenting them in a transparent way underpinned by objective information and arguments. These include:

- ensuring worker and public safety;
- minimising waste generation and providing for effective and safe management of wastes which are created;
- minimising environmental impacts including reusing or recycling materials whenever possible;

The nuclear market demands cleaning products that are very low in halogen content, allowing long term application without undesirable staining and tarnishing to surfaces.

Zep and Forward Chemicals specialise in the manufacture of products dedicated to a wide variety of industries. This expertise has been built upon a long and successful relationship with our customers. Our aim is to supply you with products to help you **SAVE TIME** and **SAVE MONEY**.

The Zep and Forward Chemicals products are the quickest and easy answer for fast, efficient and cost effective cleaning during decommissioning operations.

DE-RAD SWIPES N° 448172

SUPERIOR SWIPES FOR THE NUCLEAR INDUSTRY

- DE-RAD SWIPES are a safer, more efficient replacement for low quality and dangerous solvents
- Remove grease, oil, tar, dirt, carbon and ink from all metals and other hard surfaces.
- After use, the DE-RAD evaporates completely and leaves all surfaces clean and film free.

DE-RAD WET WIPES N° 460192

SUPERIOR SWIPES FOR THE NUCLEAR INDUSTRY

- High performance – rapidly reduces cps.
- Reduces operator exposure.
- Wetting agent completely evaporates leaving a film free surface.
- High reduction in waste material.
- Produces only dry waste material for low level route.
- Reduction in waste containers for disposal.
- Portable and easy to use.

DE-RAD 41

FAST ACTING, POWERFUL DEGREASER.

- It quickly dissolves and removes grease, oils, dirt, carbon and wax from metals, plastics, electrical equipment and electrical components.
- It is a safer, more efficient replacement for low quality, dangerous solvents. Does not damage the ozone layer.
- It is non-conductive and has a dielectric strength in excess of 25 Kv.
- After use, DE-RAD 41 evaporates completely to leave all surfaces clean and film free.

DE-RAD 100

HARD SURFACE ALKALINE DETERGENT CLEANER

- DE-RAD 100 produces excellent cleaning results with minimal manual agitation.
- It can be diluted with 100 parts water.
- It is non-flammable, non-tainting, non-toxic and odourless.
- DE-RAD 100 cleans bare metals, painted surfaces, marble, terazzo, quarry tiles, thermoplastic tiles, concrete, wood, plastic, canvas and many other surfaces.

BIOCLENE

**BIOCIDAL HARD SURFACE CLEANER. READY FOR USE
FOAM ACTION**

- Dissolves dirt, stains, grease and scum immediately on contact,
- Bioclene can be used on all hard surfaces
- Free from harmful solvents and completely non-flammable
- Contains a powerful, broad spectrum biocide which quickly and effectively eliminates a wide range of micro-organisms, including bacteria, fungi, moulds and yeasts.
- Bioclene has a special deodorising action which instantly removes unpleasant odours that may be absorbed into many modern surfaces such as plastic and laminates.

N-PROFLEX

PMUC N° 3018

METAL PARTS PROTECTION

- Protects metal parts from corrosion whether stored inside or outside.
- Protects technical equipment from contamination before use in zone.
- Can be sprayed on any type of contaminated equipment to isolate it (large metal, painted or concreted surfaces, hot points before coring, dismantling, etc).
- Long lasting protection: protects up to 2 years inside with an 8 µm dry film or outside with a dry film thickness of 80 µm.
- Highly adhesive film resists temperatures - 30 to 150 °C.

N-SD

PMUC N° 1117

DEGREASING CLEANER

- Safety solvent: flash point 78 °C.
- Excellent oil and grease solvent performance.
- No residue after evaporation.
- Ideal for fountains degreasing, baths and manual surfaces degreasing

BIOCLENE WET WIPES N° 460308

**SUPERIOR WIPES FOR INDUSTRY, FOR QUICK AND
EASY CLEANING**

- Bioclene dissolve dirt, stain, grease and scum immediately on contact.
- Eliminates the need for using separate detergents and other cleaning materials.
- High reduction in waste material.
- Odourless and non-tainting product.

DECALIX SIN

PMUC N° 1141

DEOXYDISER FOR STAINLESS STEEL FOLLOWING WELDING

- Eliminates blueing after welding.
- Dissolves calamine on stainless steels.
- Degreases and pickles welding carried out in power stations in just one operation.
- Its action is almost immediate.
- Works with practically no rubbing.

NG 2001

PMUC N° 1121

DETERGENT CLEANER

- Chlorine and fluorine content lower than 10 ppm for diluted solution at 5%
- Sulphur content lower than 10 ppm for diluted solution at 5%.
- Formulated for cases where foam is a hindrance, this breaks down from 50 °C.
- Fast action on mineral and vegetable oils.
- Emulsifies instantly with water.



With over 70 years experience in the international market and 1,000,000 customers served, Zep is a worldwide leader in maintenance chemicals.

Every year Zep invests in the R&D of new products and equipment in order to deliver state-of-the-art, environmentally friendly solutions geared to any aspect of maintenance.

The Zep sales reps, together with our technical department constantly provide professional, personalised assistance to our customers, guaranteeing tailored solutions to the different maintenance needs.



INDUSTRY

Speciality chemicals
for industrial maintenance

WATER TREATMENT

Products and systems for closed circuits,
cooling towers and steam generators

FOOD & BEVERAGE

Hygiene and sanitation products
for the food industry, HACCP

INSTITUTIONAL

Products and systems for maintenance
needs of hotels and communities

PROFESSIONAL CLEANING & MAINTENANCE

Cleaning and maintenance solutions
for professional use

PAPER AND CONSUMABLES

Paper and consumables
for civil and industrial use



ZEP UK - Forward Chemicals Ltd.
P.O. Box 12 • Tanhouse Lane • Widnes - Cheshire WA8 0RD • United Kingdom
Tel. 0151 422 1000 • Fax 0151 422 1011

www.forwardchem.com - salesandservice@forwardchem.com

