



# TARGET ALCO

## INTRODUCTION

TARGET ALCO is an effective, long life immersion alkaline cleaner, developed for degreasing aluminium and its alloys. Also suitable for use on other metals (ferrous and non-ferrous). TARGET ALCO will efficiently remove contaminants such as oils, pressing lubricants, soaps and polishing compositions. TARGET ALCO is non-silicated, has a low alkalinity and coupled with a carefully balanced organic detergent system, produces excellent free rinsing characteristics.

## BENEFITS

- Quickly removes oil, grease, polishing compounds etc.
- Does not normally etch nor smut aluminium and its alloys.
- Prevents subsequent preferential caustic etching of aluminium alloys.
- Also degreases mild steel, stainless steel and zinc.
- Operates at moderate temperatures.
- Keeps oils emulsified over long periods.
- Does not scale up tanks or heating surfaces.
- Contains no silicates and is free-rinsing.

## MAKE-UP

For every 1000 litres of bath:

1. Add approximately 900 litres of mains water and heat to 60°C – 70°C.
2. Add 25 kilos TARGET ALCO and stir until dissolved. Fill the bath to the operating level with mains water stir and bring to operating temperature.

## TYPICAL PROCESS SEQUENCE

1. TARGET ALCO dip for 1 – 15 minutes at 60°C – 70°C.
2. Cold water rinse.
3. Hot water rinse and dry-off or proceed to subsequent chemical treatment (see RINSING below).



## **CONTROL POINTS**

Concentration: 25-50g/l

Temperature: 60-70°C

## **BATH CONTROL**

Pipette 10ml aliquot into a conical flask. Add 3-4 drops methyl orange indicator. Titrate with 1M Hydrochloric Acid (colour change orange to red).

Each ml required = 25.0 g/l TARGET ALCO.

## **RINSING**

Rinse the work thoroughly in water in a tank fitted with a weir and continuously overflowed with mains water. A second mains water rinse may be desirable before further chemical. Polished aluminium make require a de-ionized water to avoid water stains.

## **EQUIPMENT**

The TARGET ALCO tank and water rinse tanks can be made of steel, but ideally polypropylene, rigid PVC or stainless steel.

## **ENVIRONMENTAL CONSIDERATIONS**

TARGET ALCO contains no VOCs. The detergent base is made up of readily biodegradable surfactants. There are normally no problems with the discharge of the rinse water to drain but the occasional discarding of the bath requires conditions of temperature (usually not greater than 40°C), suspended solids (usually not greater than 500 ppm) and excess oil to be met. The recommended solution of TARGET ALCO has a pH of 9 – 10, which is within Water Authorities' normal limits. Any oil skimmed from the surface in operation should not be discarded to the drain.

## **HANDLING AND SAFETY PRECAUTIONS**

TARGET ALCO is an alkaline powder. Before use, refer to Product Material Safety Data Sheet.

## **DISPOSAL**

Dispose of in accordance with local authority requirements.



## **PRODUCT FAMILIES**

The following products are referred to in this data sheet.

| PRODUCT NAME | PRODUCT NUMBER |
|--------------|----------------|
| TARGET ALCO  | TARG/ALCO/25   |

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