



## PRODUCT BULLETIN

# ASR TURBO-CLEAN 3501

## CLEANING CHEMICAL

### GENERAL DESCRIPTION

**ASR TURBO-CLEAN 3501** is a powder product containing a blend of dry acids. It is inhibited to help protect metals commonly encountered in industrial equipment. The dye indicator produces a color change in **ASR TURBO-CLEAN 3501** as the acid strength is depleted.

### PRINCIPAL USES

**ASR TURBO-CLEAN 3501** is a dry acid product specially formulated for removing water hardness deposits from industrial equipment. It is particularly effective in dissolving calcium carbonate scale formed in water lines, fireside low-pressure boilers, evaporators, air conditioning systems, and process equipment. It is dry form and built-in dye indicator makes it convenient for use in routine maintenance cleaning. **ASR TURBO-CLEAN 3501** contains an effective inhibitor that helps minimize corrosion in the acid cleaning application.

### PRODUCT BENEFITS

- Very effective acid scale remover
- Specially formulated blend of dry acids designed to remove water hardness deposits from industrial equipment
- Compliance with FDA and USDA regulations
- Inhibited to help protect metal commonly encountered during cleaning
- Easy to use with built in dye indicator
- Safer and more convenient to handle than strong liquid acids.

### DOSAGE

The specific dosage of **ASR TURBO-CLEAN 3501** is 2-5 % in water based on the system water capacity. 2 kg of **ASR TURBO-CLEAN 3501** will dissolve up to one kg of most calcium or magnesium salts. When the scale is heavy or very adherent, higher solution strengths or several cleanings may be necessary for complete scale removal.

Your **ASR** representative will recommend the optimum dosage necessary to ensure maximum program performance according to your specific system parameters.

### FEEDING

**ASR TURBO-CLEAN 3501** should be dissolved in water. Pour or pump into equipment to be cleaned and circulate. The product may be added directly to a water system where good solution and mixing of the chemical are assured.

**MATERIALS:** **ASR TURBO-CLEAN 3501** is compatible with most metals and plastics during normal cleaning procedures, which should last only a few hours. Long or continuous use on galvanised or aluminium surfaces should be avoided.

### HANDLING – STORAGE - SHIPPING

As a standard precaution with all chemicals we recommend the use of protective equipment such as goggles and rubber gloves when handling. Consult the Material Safety Data Sheet as the only official source of Environmental and Safety information.

The product can be stored up to 24 months from date of shipping if kept in its original unopened container and under normal warehouse conditions. Protect from freezing and from exposure to high temperature.

**ASR TURBO-CLEAN 3501** is available in non-returnable containers of different sizes.