

What is Scale Force?

SCALE FORCE is a low-foaming descaler powder that penetrates, suspends and rinses away scale, mineral and lime deposits, food residues, milkstone and beerstone from equipment and stainless steel vessels.

Key Benefits

- ✓ Highly concentrated
- ✓ Fast acting
- ✓ Low-foaming
- ✓ Safe on stainless steel

How Does It Work?

SCALE FORCE contains a blend of sulphamic acid and low-foaming surfactants that have been selected to provide fast and complete removal of water-scale (calcium and magnesium carbonates), salts, mineral and protein-based food residues and biofilms from metal surfaces.

For Use On...

SCALE FORCE is designed to remove rust, scale and lime. SCALE FORCE is great for descaling dishwashing machines, hot water urns and other equipment.

SCALE FORCE is also suitable for application by "Cleaning in Place" (CIP), soak tank or manual brushing applications. It is ideal for use on food-processing equipment, stainless steel vats, pipes, fittings, utensils and equipment.

It is not suited for application to aluminium or other soft metals including brass, copper, zinc and galvanized iron.

Technical Data

Properties



APPEARANCE – Pink Powder
ODOUR – None
pH = 0.0 – 1.0 (1% solution)

Dangerous Goods Classification

SCALE FORCE is a Class 8 corrosive powder.

U.N. No. 2967	CLASS: 8
PACK. GRP: III	HAZCHEM: 2X

Environmental Care

SCALE FORCE conforms with all statutory environmental requirements. It is based on effective ingredients selected to perform efficiently so there is no waste or damage. SCALE FORCE is non-flammable and biodegradable. SCALE FORCE containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd., significantly reducing plastic usage and waste. They can also be recycled.

Quality

The design, manufacture and supply of all Agar chemical products is controlled by the Agar Quality Management System which is registered and externally audited by SAI Global as complying with the requirements of AS/NZS ISO 9001 "Quality Management Systems – Requirements".

First Certified: 30 April 1996 SAI Certificate No.: QEC7358

Application

- WEAR SAFETY GLASSES & GLOVES when using SCALE FORCE. Refer to Safety Data Sheet (SDS) for details.

Descaling Dishwashing Machines:

1. Switch off the detergent dispenser pump/controller.
2. Fill the wash tank with water after closing the drain valve.
3. Add SCALE FORCE to the water in the wash tank:
Single stage or small machine – Add 250g.
Large machines – Add 500g-1 kg.
4. Start machine and recirculate the SCALE FORCE solution until visible scale build-up is removed.
5. If the solution does not contact all of the scale above the water line, scrub these surfaces with the wash-tank solution of SCALE FORCE. Wear gloves and safety glasses.
6. Open or remove the drain valve.
7. Close or replace drain valve and refill the machine with clean water and recirculate for 2 to 3 minutes then drain again to rinse out all of the residues.
8. Close or replace drain valve and refill with clean water. Switch on the detergent dispenser and recirculate the wash tank water for 5 minutes.
9. Open or remove the drain valve to drain the solution. The machine is now ready to resume dishwashing.

Hot Water Urns, Kettles and Other Equipment:

1. Prepare solution of SCALE FORCE in hot water. Use at dilutions from between 1 in 100 and 1 in 50 (1 to 2.0%). This is 200g – 400g per 20L of water at 50° to 80°C.
2. Leave to soak for 30 minutes and make certain no-one can use the urn by mistake.
3. Drain thoroughly and rinse out completely with potable water.

Product Data Sheet

Product Code: SCA

Issued: March 25, 2026

Recirculation CIP cleaning:

1. Once the systems have been properly cleaned with an alkaline CIP detergent such as LCD-11 and then rinsed with water, follow with the acid CIP solution of SCALE FORCE.
2. Dilute SCALE FORCE to between 1 in 200 and 1 in 50 (0.5 to 2.0%). This is 100g – 400g per 20L of water at 50° to 80°C.
3. Recirculate for 10 to 20 minutes depending on the degree of soilage.
4. Flush with potable water to rinse. Do not recirculate rinse water.

Soak tank cleaning:

1. Dilute to between 1 in 20 and 1 in 10 (5 to 10%). This is 1kg – 2kg per 20L of ambient to hot water.
2. Soak items for 2 to 60 minutes depending on degree and nature of residues.
3. Rinse thoroughly with potable water.

Brushing/Manual cleaning:

1. Dilute to between 1 in 50 and 1 in 10 (2 to 10%). This is 400g – 2kg per 20L of ambient to hot water.
2. Once all parts have been removed from the equipment and hand washed allow them to soak in the SCALE FORCE solution for 5 minutes or more.
3. Then remove the parts and re-assemble them on the equipment.
4. Rinse equipment with potable water.

➤ Store SCALE FORCE in a cool dry place.

Disposal Information

1. Used solutions

Used Solutions of SCALE FORCE should be poured into a drain or trough that leads to the sewer system or a septic tank. These systems have a method for treating and breaking down the waste. Used solutions of detergent should not be poured into stormwater drains or down driveways as these drains are designed for rainwater and ultimately lead to the local river system.

2. Unused product

It is best to keep the product and use it up! If this is not possible, try to give it to someone who can use it. (Make sure the product is in its original, labelled container).

If there is no alternative but disposal, it is safe to pour modest quantities of this product down the drain (to sewer) with running water. Leave the cold tap running for a few moments afterwards as this dilutes the product and reduces the concentration in the wastewater.

Remember, do not mix different cleaning products together during disposal!

3. Empty packaging

Bottles and drums

Our 5kg and 15kg pails are made from PP (polypropylene) which can be recycled. You can dispose of these containers via the kerbside collection program or other recycling system.

Cardboard cartons

Used boxes should be flattened and recycled in OCC (old, corrugated cardboard) or mixed wastepaper recycling programs.

Available in: 1kg, 5kg and 10kg

Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all its products. These sheets contain information that you may need to protect your employees and customers against health or safety hazards associated with our product. Agar Cleaning Systems recommends that you obtain a copy of the respective SDS sheet prior to using this product. The information in the Product Data Sheet is based on data we believe to be reliable. It is offered in good faith, but without guarantee, as conditions and methods of use of our product are beyond our control.