



Technical Data Sheet

PRODUCT NAME

Alkawash™ or Alkagel™™

PRODUCT DESCRIPTION

Silicon Derivatives' Alkawash™ and Alkagel™ Are employed to remove heavy soil, grit and baked-on carbon deposits. It is also is a tool cleaner following application of solvent based siloxanes coatings and sealers. It can also be employed to remove the build-up of protein deposit materials (hair, caissons, fibers, etc) from drains, tanks and metallic surfaces. Alkawash™ is very alkaline and must be used with extreme caution. Neither Alkawash™ nor Alkagel™ contain PCC's.

CHEMISTRY/ACTIVE INGREDIENTS

Alkawash™ is a strong alkaline solution. Primary ingredients in the formulation are:

- Potassium Hydroxide < 40%
- Sodium Hydroxide < 20%
- A proprietary blend of surfactants, highly functional in hot alkaline solutions.

In addition to the ingredients contained in Alkawash™, Alkagel™ contains an inorganic rheology modifier to produce a thick paste-like material that can be applied on vertical surfaces or employed with a mixture of absorbents to create a poultice (see Silicon Derivatives library on the use of poultices for stain removal). It can be employed on both horizontal and vertical surfaces

APPLICATION

Silicon Derivatives Alkawash™ is employed to remove heavily embedded grease stains and organic residue on surfaces that have been "baked on" to a metallic surface. Alkawash™ and Alkagel™ are also employed to remove previously installed siloxane coatings.

Alkagel™ is also employed as to produce a poultice carrier (see Silicon Derivatives Library for information on the preparation and application of poultices)

PHYSICAL PROPERTIES

Color	Clear
pH	14.0
Density	1.24
Flash Point	N/A
Freeze Point	28°F
VOC	None
PCC's	None

PRODUCT SAFETY AND HANDLING

Alkawash™ and Alkagel™ are highly alkaline solutions that must be applied with EXTREME CAUTION.

See MSDS Sheet

BENEFITS

Silicon Derivatives' Alkawash™ and/or Alkagel™ serves as an excellent stripper and poultice carrier to remove heavily embed and consolidated greases and carbon deposits from masonry surfaces and brick pavers.

LIMITATIONS

Silicon Derivatives Alkawash™ and Alkagel™ are highly alkaline and will severely damage any substrate that is not resistant to strong alkalis.

TEST AREAS

Silicon Derivatives provides this application information and coverage guidelines only on an empirical basis. Always test the substrate on a specific in an inconspicuous area to be certain of appropriate coverage. Allow the test area to dry a minimum of 72 hours before inspection.

COVERAGE

Because usage is a function of the nature and type of deposit being removed, the expected level of usage cannot be predicted.

DILUTION

When diluting **Alkawash™**, always **ADD THE CONCENTRATE TO WATER SLOWLY – NEVER ADD WATER TO THE CONCENTRATE**. Mix in a clean polypropylene bucket. Do not use hot water.

Alkawash™ may be diluted in a ratio of three parts of water to one part **Alkawash™** when removing heavy deposits of black mold from masonry and stucco surfaces.

APPLICATION RECOMMENDATIONS

Protect all non-masonry surfaces such as metal, glass, painted surfaces, and vegetation from product splash and wind drift.

Silicon Derivatives **Alkawash™** and **Alkagel™** should not be applied when surface and air temperatures are less than 40°F (4°C). If the surface has been exposed to freezing temperatures allow masonry to thaw before application.

Apply with a low pressure alkali resistant hand pump or employ a masonry washing brush. Rinse with high pressure water (400 psi). Silicon Derivatives recommends calcimine brushes and stainless steel or polyethylene spray equipment.

When cleaning large areas, pre-wet the area with water before application. Apply Silicon Derivatives **Alkawash™** liberally and allow it to remain on the surface for 30 - 90 minutes. Lightly mist the surface during this period to avoid allowing the surface to dry. Scrape off tough build-up without damaging substrate. Following removal of heavy build-up, pressure

wash thoroughly. Heavy washing of the surface should also be followed by a light misting of Silicon Derivatives **Neutralizer**.

COATING REMOVAL (SILOXANE STRIPPING)

Silicon Derivatives **Alkawash™** is employed to remove previous coats of siloxane polymer coatings from hard surfaces. The following procedure is recommended.

If the coating has been cured for more than 30 days, use **Alkawash™** full strength. If the coating has been cured less than 30 days, **Alkawash™** may be diluted at a ratio of three parts of water to one part of **Alkawash™**:

1. Completely mask off and protect all adjacent surfaces to protect from spatter of stripper during removal process.
2. Lightly sand the clear siloxane film with a 200 grit screen or black pad.
3. Apply **Alkawash™** using a coverage rate of 250 to 350 square feet per gallon depending upon the surface roughness and porosity.
4. Allow the stripper to 'work' on the surface for approximately 90 minutes. If the stripper begins to dry out, lightly mist with clean water using a pump-up sprayer.
5. After 90 minutes, scrub vigorously with a scrub pad.
6. Then, using rinse & reclaim equipment, thoroughly clean the surface picking up any residual stripper and dissolved coating material.
7. If additional layers of siloxane remain on the surface, repeat steps 3 through 6 for each layer.

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8. Next, apply Silicon Derivatives **Neutralizer™** employing a simple hand sprayer. Do not allow the Neutralizer to remain on the surface for longer than 10 minutes.
9. Water rinse to thoroughly clean the entire area.
10. If the floor is to be recoated, evaluate the surface pH. If the pH is between 6 and 8, allow the floor to dry thoroughly before reapplication of a siloxane coating. If the floor exhibits a pH of higher than 8, reapply the acid neutralizing solution and re-rinse. If the pH is lower than 6, thoroughly rinse surface again with **Neutralizer** and reclaim equipment.

SITE DISPOSAL

Disposal of collected residues and clean up material may be governmentally regulated. Observe all applicable local, state and federal waste management regulations pursuant to the use of **Alkawash™** or **Alkagel™**. Vacuum, mop or soak up residue with absorbent material and hold for disposal.

AVAILABILITY

Silicon Derivatives **Alkawash™** and **Alkagel™** are available in 1 quart and 1 gallon pails. Contact Silicon Derivatives for your local distributor.

TECHNICAL SERVICES

Silicon Derivatives service engineers and chemists are available to answer questions concerning product performance, application methods and chemical composition

LIMITED WARANTEE

Silicon Derivatives warrants this product to be free from defects. Silicon Derivatives shall not be

held responsible in any manner for any personal injury or property damage or related loss resulting from, or related to, the handling, storage, or use of this material. Since Silicon Derivatives has no control over the use or application of this product, Silicon Derivatives assumes no liability for loss or damage incurred from the improper use of such product.

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