What are high-performance concentrates? e.g. FS10 Savona

**PH-neutral surface & window cleaner with antistatic effect**

1:5 to 1:20 for use as a foaming product
- Car shampoo (manual wash)
- Upholstery cleaner
- Fabric cleaner
- Carpet shampoo
- Synthetic suede
- Pre-wash stain remover
- Blood stain remover

1:20 to 1:50 for use as a surface cleaner
- Windows, glass surfaces, mirrors
  - Stronger than 1:20 is too much – less is often more! Non-streaking, including in full sunlight, without alcohol additives
- Car interiors, cockpits, roofs, seats, etc.
- Plexiglas, office desks, screens, keyboards, copiers
- Chromium steel
  - Fingerprints on lift panelling, etc.
- Apartment cleaning
- Display cases, new cars, second-hand cars

1:20 to 1:100 for use as windscreen washer additive
- Car windscreen washer additive from spring through to autumn
  - as VOC-free summer mixture, without antifreeze depending on insect infestation and degree of soiling (urban / rural traffic)

1:50 to 1:1,000 for use as a non-abrasive floor cleaner
- Cork, laminates, linoleum, marble, parquet, stone, unglazed and glazed tiling, sensitive surfaces in general
  - Not suitable as an intensive floor cleaner (too mild), suitable for PH-neutral interim cleaning
- For the care of cork, laminates, linoleum and parquet flooring, FS25 wax polish should be applied occasionally
  - Cleaner as self-glossing emulsion

0.1% to 3% for use as an admixture in washing appliances
- For cleaning solar cells, etc. FS10 Savona also enhances the performance of demineralised water.
  - Generally speaking, everything can be cleaned except satin and silk (water stains).
  - As a neutral (PH 7.3) cleaner, Savona has limitations in both the acidic and the alkaline range. If the result is not satisfactory, an acidic or alkaline agent may be required.

We will be pleased to tell you more about our basic and intensive cleaning products: www.frisag.ch

No alcohol additives are used. All utilised surfactants are biodegradable
in accordance with OECD Guidelines 302B/302 EEC Part C > 80%, OECD Guideline 301E > 95% (28d)
A reliable partner for the removal of dirt and grime since 1963

Your problem

Windows, mirrors, glasses and windscreen washing systems
FS10 Savona
PH 7.3
FS10 Savona is unbeatable for all types of cleaning chores. Because it contains no additives, windows can be cleaned streak-free in full sun. The product protects as it deep cleans. For windows, glasses, mirrors and windscreen washing systems ● Washing of wood (bare or painted), oil-based paints on: window frames, doors, synthetic resin panels, faux leather, upholstery, carpets, etc. As a car shampoo, inside and outside, does not attack paintwork. As a blood and stain remover. No need to rinse afterwards. ● non flammable ● The tensides used are bio-degradable.

Dish washing by hand
FS15 Tellinet
PH 2.5
FS15 Tellinet is a special concentrated washing-up liquid for loosening heavy grease while caring for your hands. For washing cutlery, glasses, crockery and pans. Tellinet is excellent at removing egg white, potato starch, dried-on food, etc. Special additives are used to care for and protect your hands. ● non flammable ● The tensides used are bio-degradable.

Dish washing using catering equipment
FS16 Washing-up liquid
PH 12.0
FS16 Washing-up liquid has been specially developed for commercial dishwashers using the latest technology. The product is suitable for all types of dishes, as well as for aluminium, chrome-plated steel and silver and can be used with all degrees of water hardness. The best results are achieved when used with FS17 Rinse aid. ● non flammable ● The tensides used are bio-degradable.

Dish washing using catering equipment
FS17 Rinse aid
PH 1.9
FS17 Shiner has been specially developed for commercial dishwashers using the latest technology. The product is suitable for all types of dishes, as well as for aluminium, chrome-plated steel and silver and can be used with all degrees of water hardness. The best results are achieved when used with FS16 Washing-up liquid. ● attractive, non flammable ● The tensides used are bio-degradable.

Floors
FS20 Putznett
PH 8.9
FS20 Putznett is slightly perfumed and for manual use as a gentle basic cleaner. Contains synthetic organic compounds. ● Use: Concrete, parquet, tiles, stone ● Plastics, laminate and linoleum ● Oil and emulsion paint, panelling ● lighty fragranced with lemon grass ● irritant, non flammable ● The tensides used are bio-degradable.

Floors
FS25 Wisch-Wax
PH 7.6
FS25 Wisch-Wax is a self-skinning emulsion with integrated cleaner. ● The product has cleaning and caring properties and is mainly for use as an intermediate cleaning agent ● Use: mix 0.5 to 2 l with 10 l of water and apply a thin film of the solution to floors by hand. This is best done with wringable equipment fitted with foam rubber of sheepskin spreaders. ● non flammable ● The tensides used are bio-degradable.

Hard surfaces, machine cleaner and chrome
FS29 All-purpose concentrate, non foaming, for cleaning machines
PH 13.5
FS29 All-purpose Concentrate is a non foaming detergent ideally suited for industrial machines. Cleans all hard surfaces such as floors, chrome, chrome-plated steel, paintwork, windows, metal constructions, plastic, tiles, stone etc. ● for industrial use and as a machine cleaner ● The product has been specially developed for the removal of oil, grease, resin, soot, nicotine and other dirt ● Use: Paintwork, windows, Floors, Chrome, chrome-plated steel, tiles ● Machines, depending on dirtiness, neat up to ● NEAT ● Follow the instructions for use ● irritation, non flammable ● The tensides used are bio-degradable.

Hard surfaces, machine cleaner and chrome
FS30 All-purpose Super-Concentrate
PH 13.5
FS30 All-purpose Super-Concentrate is ideal an everyday universal detergent. Cleans all hard surfaces such as floors, chrome, chrome-plated steel, paintwork, windows, metal constructions, plastic, tiles, stone etc. ● for industry and as a machine cleaner ● The product has been specially developed for the removal of oil, grease, resin, soot, nicotine and other dirt. For ovens, fireplace glazing, deep fat fryers, grills, hobs, etc. Apply NEAT or diluted and allow to work for 2 to 3 minutes. Works much faster if the surfaces to be cleaned are hot (80 - 120°C). Remove any remaining loosened dirt with a damp cloth or brush. Always rinse thoroughly with cold water afterwards ● Use: Paintwork, windows, Floors, Chrome, chrome-plated steel, tiles ● Machines, depending on dirtiness ● NEAT ● Follow the instructions for use ● highly alkaline, caustic, non flammable ● The tensides used are bio-degradable.

Hard surfaces, machine cleaner, chrome and grill cleaner
FS33 Universal Concentrate
PH 7.4
FS33 Universal Concentrate is ideal as an everyday universal detergent. Cleans all hard surfaces such as floors, chrome, chrome-plated steel, paintwork, crockery, wood, plastic, tiles, stone etc. ● for industry and as a machine cleaner ● The product has been specially developed for the removal of oil, grease, resin, soot, nicotine and other dirt. For ovens, fireplace glazing, deep fat fryers, grills, hobs, etc. Apply NEAT or diluted and allow to work for 2 to 3 minutes. Works much faster if the surfaces to be cleaned are hot (80 - 120°C). Remove any remaining loosened dirt with a damp cloth or brush. Always rinse thoroughly with cold water afterwards ● Use: Paintwork, windows, Floors, Chrome, chrome-plated steel, tiles ● Machines, depending on dirtiness ● Warning: Read the safety notes in the instructions for use ● non flammable ● The tensides used are bio-degradable.

Hard surface, machine cleaner, chrome and grill cleaner
FS35 All-purpose Super-Concentrate
PH 14.0
FS35 All-Purpose Super-Concentrate is a high-performance professional cleaning agent ideally suited for the removal of stubborn grime on hard surfaces such as floors, chrome, chrome-plated steel, paintwork, glass, plastics, tiles, etc. ● for industry and as a machine cleaner ● The product has been specially developed for the removal of oil, grease, resin, soot, nicotine and other dirt. For ovens, fireplace glazing, deep fat fryers, grills, hobs, etc. Apply NEAT or diluted and allow to work for 2 to 3 minutes. Works much faster if the surfaces to be cleaned are hot (80 - 120°C). Remove any remaining loosened dirt with a damp cloth or brush. Always rinse thoroughly with cold water afterwards ● Use: Paintwork, windows, Floors, Chrome, chrome-plated steel, tiles ● Machines, depending on dirtiness ● Warning: Read the safety notes in the instructions for use ● highly alkaline, caustic, non flammable ● The tensides used are bio-degradable.
**Your problem**

**Fighting bacteria, viruses and moulds**
FS36 Disinfectant 36  
PH 7.5  
- Approved to BAGT No. CHZB 0077  
- non flammable  
- The tensides used are bio-degradable.

**Fighting bacteria, viruses and mould (for large areas)**
FS37 Combi-Disinfectant 37  
PH 7.6  
- Approved to BAGT No. CHZB 0078  
- non flammable  
- The tensides used are bio-degradable.

**Urinals, WCs, toilet facilities**
FS40 Urine Scale Dissolver  
PH 0.1  
- Non: Only for use on acid-resistant jointing. Rinse off steel, chrome-plate steel immediately with water to avoid discoloration. Never mix with other products.

**Swimming pools, shower and sauna facilities, dishwashers**
FS45 Special Decalifier  
PH 0.5  
- non flammable  
- The tensides used are bio-degradable.

**Hard surfaces**
FS70 Chrome and Tile Cleaner  
PH 3.0  
- non flammable  
- The tensides used are bio-degradable.

**Soot on canvases, rims, stone**
FS73 SootEx

**For really dirty hands (aqueous, PH-neutral)**
FS80 Hand Cleaner  
PH 7.7  
- non flammable  
- The tensides used are bio-degradable.

**Hygienic and mild soap (aqueous, PH-neutral)**
FS81 Hand Soap  
PH 7.8  
- non flammable  
- The tensides used are bio-degradable.

**Paint, leather, wood**
FS90 Polish  
PH 5.6  
- non flammable  
- The tensides used are bio-degradable.

**Insects**
FS99 Insect Killer  
PH 7.1  
- Approved according to BAGT No. CHZB 0006  
- non flammable  
- The tensides used are bio-degradable.

**Our solution**

**Fighting bacteria, viruses and moulds**
FS36 Disinfectant fights bacteria, viruses (HBV, HIV), mould and prevents the growth of algae, for the disinfection of work surfaces, equipment, machines, spraying, dipping, rinsing through, fast-acting and long-lasting effect. Does not irritate the skin or mucous membranes, does not mark, cleans and absorbs odours, the product is suitable for use on most surfaces (metals, rubber, plastics), protects against rust and corrosion. Quaternary ammonium compound complex, ready-mixed solution. Do not use at temperatures below +1°C – 130°C. The product is approved for hygienic, antibacterial manual cleaning.

**Fighting bacteria, viruses and mould (for large areas)**
FS37 Combi-Disinfectant shifts stubborn grease and is gentle on the skin. For disinfectant cleaning of floors, walls, furniture, large areas, toilets, showers, etc.

**Urinals, WCs, toilet facilities**
FS40 Urine Scale Dissolver is a highly active, fast-acting and self-flowing decalcification agent. Shifts limescale and urine scale in urinals, toilets, toilet facilities, etc.

**Swimming pools, shower and sauna facilities, dishwashers**
FS45 Special Decalifier is suitable for the decalcification of boilers, shower and sauna facilities, swimming pools, coffee makers, dishwashers, washing machines, etc.

**Hard surfaces**
FS70 Chrome and Tile Cleaner shifts limescale, grease and light rust in daily intermediate cleaning. The product is suitable for cleaning washable surfaces, e.g. in kitchens, hotel rooms and food-processing operations such as Glass, doors, walls, Tiles, plastics, Chrome, chrome-plated steel, copper, brass, NEAT or dilute with water and spray onto the surface to be cleaned, rub with a damp cloth or soft brush, rinse with water. Polish with a soft cloth as required.

**Soot on canvases, rims, stone**
FS73 SootEx solves excellent soot, grease and other contaminants on most hard surfaces (especially for environmental soot on facades, non-foaming)
- Highly alkaline, caustic
- non flammable
- The tensides used are bio-degradable.

**For really dirty hands (aqueous, PH-neutral)**
FS80 Hand Cleaner

**Hygienic and mild soap (aqueous, PH-neutral)**
FS81 Hand Soap

**Paint, leather, wood**
FS90 Polish

**Insects**
FS99 Insect Killer
<table>
<thead>
<tr>
<th>Products</th>
<th>Dilution</th>
<th>Applications</th>
<th>PH no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS10 Savona</td>
<td>1:5 - 1:20</td>
<td>Furniture, fabrics, carpets, shampooers</td>
<td>7.3</td>
</tr>
<tr>
<td></td>
<td>1:20 - 1:50</td>
<td>Acrylic &amp; plexiglas, windows, mirrors, hard surfaces</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:20 - 1:100</td>
<td>Windscreen washing in summer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:30 - 1:1,000</td>
<td>Floors, marble, parquet, glazed, car shampoo</td>
<td>7.3</td>
</tr>
<tr>
<td>FS15 Tellnet</td>
<td>1:500 - 2,000</td>
<td>Manual dish-washing, depending on soiling</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>few drops</td>
<td>Cuttery, crockery, glasses, pans, car shampoo</td>
<td></td>
</tr>
<tr>
<td></td>
<td>pre-dilute up to 1:5</td>
<td>Depending on user's preference &gt; more – better?</td>
<td></td>
</tr>
<tr>
<td>FS16 Dishwashing agent</td>
<td>2 to 6 gr. / litre</td>
<td>For commercial dishwashers <strong>phosphate-free</strong></td>
<td>10.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(aqueous)</td>
<td></td>
</tr>
<tr>
<td>FS17 Polisher</td>
<td>0.1 to 0.4 gr. / litre</td>
<td>For commercial dishwashers <strong>phosphate-free</strong></td>
<td>1.9</td>
</tr>
<tr>
<td>FS20 Floor cleaner</td>
<td>1:10 - 1:300</td>
<td>Oil and dispersion paints, wood panels</td>
<td>8.9</td>
</tr>
<tr>
<td></td>
<td>1:20 - 1:500</td>
<td>Plastics, laminates, linoleum, PVC</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:30 - 1:1,000</td>
<td>Concrete, glazed tiles, natural stone, parquet, tiles</td>
<td></td>
</tr>
<tr>
<td>FS25 Wax polish</td>
<td>1:5 - 1:300</td>
<td>General rubber &amp; plastic care (silicone-free)</td>
<td>7.6</td>
</tr>
<tr>
<td></td>
<td>1:50 - 1:1,000</td>
<td>Laminates, linoleum, parquet, PVC floors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:200 - 1:1,000</td>
<td>Natural stone (protection against salt stains)</td>
<td></td>
</tr>
<tr>
<td>FS29 All-purpose concentrate, non-foaming, ideal for mechanical cleaning</td>
<td>1:50 - 1:100</td>
<td>Sports hall floors (resin removal)</td>
<td>13.5</td>
</tr>
<tr>
<td></td>
<td>1:50 - 1:1,000</td>
<td>Use in mechanical floor cleaners and industrial washing machines</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Removes oil, grease, resin, soot, nicotine, etc.</td>
<td></td>
</tr>
<tr>
<td>FS30 All-purpose super concentrate</td>
<td>neat - 1:10</td>
<td>Chromium steel, all-purpose hard surface cleaner</td>
<td>13.5</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:100</td>
<td>Floors removes oil, grease, resin, soot, nicotine, etc.</td>
<td></td>
</tr>
<tr>
<td>FS33 Citro universal concentrate</td>
<td>1:10 - 1:50</td>
<td>Chromium steel, tiles, hard surface cleaner</td>
<td>7.4</td>
</tr>
<tr>
<td></td>
<td>1:50 - 1:1,000</td>
<td>Floors removes oil, grease, soot, nicotine, etc.</td>
<td></td>
</tr>
<tr>
<td>FS35 All-purpose super concentrate</td>
<td>neat - 1:50</td>
<td>Ovens, grills, steamers (professional use)</td>
<td>14.0</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:100</td>
<td>Chromium steel, hard surfaces, machine cleaner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1:50 - 1:1,000</td>
<td>Floors removes oil, grease, soot, nicotine, etc.</td>
<td></td>
</tr>
<tr>
<td>FS36 Disinfectant</td>
<td>neat - 1:2</td>
<td>Kills bacteria, viruses and fungi, +1°C to +130°C</td>
<td>7.5</td>
</tr>
<tr>
<td></td>
<td>fast acting Salmonella 15 to 30 sec.</td>
<td>HBV, HIV, salmonella, athlete’s foot, etc.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>slow acting Salmonella 15 to 60 sec.</td>
<td>Hand hygiene &amp; surface disinfection: healthcare, catering</td>
<td>7.6</td>
</tr>
<tr>
<td>FS37 Disinfectant/cleaning agent</td>
<td>neat - 1:20</td>
<td>Kills bacteria, fungi, +1°C to +130°C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>slow acting Salmonella 15 to 60 sec.</td>
<td>Excellent glass cleaner, e.g. food display cases</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Surfaces &amp; rooms, simultaneously degreases and disinfects</td>
<td></td>
</tr>
<tr>
<td>FS40 Urine residue remover</td>
<td>neat - 1:5</td>
<td>Urinals, toilets</td>
<td>0.1</td>
</tr>
<tr>
<td>FS45 Special descaler</td>
<td>neat - 1:10</td>
<td>Standard strength Bathrooms, baths, showers, saunas, fitness rooms</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:1,000</td>
<td>Boilers, kitchens, dishwashers, etc.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Boats and ships, etc.</td>
<td></td>
</tr>
<tr>
<td>FS50 Top-Fresh (rose)</td>
<td>neat - 1:10</td>
<td>Toilets, long-lasting (scented) air-freshener</td>
<td>7.6</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:1,000</td>
<td>Floors, washbasins, urinals, toilets, walls (red)</td>
<td></td>
</tr>
<tr>
<td>FS55 Top-Fresh (fruit)</td>
<td>neat - 1:10</td>
<td>Toilets, long-lasting (scented) air-freshener</td>
<td>7.6</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:1,000</td>
<td>Floors, washbasins, urinals, toilets, walls (yellow)</td>
<td></td>
</tr>
<tr>
<td>FS60 Top-Fresh (citrus)</td>
<td>neat - 1:10</td>
<td>Toilets, long-lasting (scented) air-freshener</td>
<td>7.6</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:1,000</td>
<td>Floors, washbasins, urinals, toilets, walls (blue)</td>
<td></td>
</tr>
<tr>
<td>FS70 Chrome &amp; tile cleaner</td>
<td>1:5 - 1:10</td>
<td>Crockery, pans, chrome, chromium steel, copper, brass</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>1:20 - 1:30</td>
<td>Plastic, tiles, stain remover, baths, showers, etc.</td>
<td></td>
</tr>
<tr>
<td>FS73 Soot remover</td>
<td>1:5 - 1:100</td>
<td>Rim cleaner</td>
<td>13.6</td>
</tr>
<tr>
<td></td>
<td>1:10 - 1:1,000</td>
<td>Tarpaulin, boat, carpet, cleaner</td>
<td></td>
</tr>
<tr>
<td>FS75 Metal polish (acidic)</td>
<td>neat</td>
<td>Removes scaling, oxidants, residual soiling on hard surfaces</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aluminium, chromium steel, glass, glass ceramics, ceramics, stone, plastic, copper, brass, porcelain, gold, silver, etc.</td>
<td></td>
</tr>
<tr>
<td>FS80 Hand cleanser</td>
<td>neat</td>
<td>For heavily soiled hands</td>
<td>7.7</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rehydrating for all workshops PH-neutral, aqueous solution</td>
<td></td>
</tr>
<tr>
<td>FS81 Hand soap</td>
<td>1:2</td>
<td>Mild, hygienic hand washing</td>
<td>7.8</td>
</tr>
<tr>
<td></td>
<td>1:3</td>
<td>Hand cleaning in offices, kitchens, clinics, etc.</td>
<td></td>
</tr>
<tr>
<td>FS90 Polish</td>
<td>neat</td>
<td>For use in public toilets, PH-neutral, aqueous solution</td>
<td>5.6</td>
</tr>
<tr>
<td>FS99 Insecticide</td>
<td>neat</td>
<td>Contact and ingestion insecticide: for use in and around buildings, boats, food and animal feed storage areas, on plants (e.g. mealybugs on orchids)</td>
<td>7.1</td>
</tr>
</tbody>
</table>

Utilised surfactants are biodegradable

OECD + EC guidelines declared on product

Many Frisag products can also be used in foaming form

Further information: www.frisag.ch > Produkte

16.10.2012