



# Food Industry

 novatio

We make making things better

Made for makers

# Your partner in the food industry!

Novatio is an international player that operates globally in 28 countries. Since 1978, Novatio has been providing quality solutions for maintenance and repair in industry, transport and construction.

A family-run Belgian company, Novatio attaches great importance to customer satisfaction. Our R&D department in Olen proactively does research into new developments and needs of our customers.

Specifically for the food industry, Novatio offers a range of NSF- and EC1935-certified food-grade products including cleaning agents, lubricants, adhesives, etc.

The food industry advisers of Novatio have been trained in both the technical and formal areas (certifications and regulations) of the food industry. This allows us to help you make an informed choice on the best-suited products for your maintenance and HACCP plan.

## WHY CHOOSE NOVATIO?

- Quality, customer focus and innovation are among our core values.
- Integrity: transparent communication, we do what we say and say what we do.
- Engagement: Novatio provides specific products for specific applications, enabling our customers to operate effectively and profitably.

Novatio is committed to quality, environmental care and safety. As such, we work according to ISO 9001-, ISO 14001- and OHSAS 18001-certified quality procedures.



The Novatio range comprises more than 300 products for professional and industrial use. A selection of both food-grade certified and non-certified products was made specifically for the food industry. These products range from adhesives, lubricants and cleaning agents to electrical connectors, epoxies and technical tapes.

## Novatio as partner for the food industry

### Novatio strengthens your business in these three key areas

# 1.

#### ECONOMICS, ERGONOMICS AND ECOLOGY

The Novatio approach helps you work in a more efficient, simple and qualitative way. Our Food Industry specialists assist you with effective advice on machine maintenance, cleaning and repairs.

Novatio products ensure performance and yield are increased, so that personnel costs can be optimised. Moreover, you work more ecologically sound by minimising the use of chemicals.

# 2.

#### EFFECTIVE MAINTENANCE, FAST REMEDIATION

Any downtime in the food industry can have great financial and logistical consequences. Novatio's preventive approach reduces machine failure drastically.

The Novatio approach also saves time on cleaning machines and facilities, allowing you to switch quickly between production runs. And if anything does go wrong, our experts are available in no time to help resolve the issue quickly.

# 3.

#### CERTIFICATES AND STANDARDS

No industry is as heavily regulated as the Food Industry, with strict requirements for the self-regulation of the HACCP procedures. Several rules and regulations must be followed closely, both at EU and national level.

The certified Novatio products can be used safely without additional administrative issues. Our technical advisers help the staff in your organisation to give the right products a place in your HACCP plan.

# Certificates & standards

## Food certificates: necessary or a necessary evil?

The Food Industry is one of the most regulated economic sectors. This sometimes complicates the work and, at the same time, ensures that food safety today is at an extremely high level. Even though 'scandals' are occasionally reported in the media, the number of hospital admissions or fatalities due to food poisoning has never been as low as it is today.

The basis of food safety is the assurance that the stringent food safety standards are adhered to throughout every step of the chain. That assurance translates into a system of certificates.

The system can stand on its own as part of the quality and HACCP plan. But it can also be embedded in a specific food safety system, such as ISO 21469, BRC or IFS.

### NOVATIO OFFERS DIFFERENT FOOD SAFETY CERTIFICATES FOR ITS PRODUCTS:

- NSF (USA)
- EC 1935:2004 (EU)
- LFGB (DE)

## Relevant NSF categories

	NSF CODE	INTENDED USE
CLEANING AGENTS	A1	General cleaning agent
	A2	Cleaning by immersion, steam cleaners or mechanical cleaners
	A3	Acid cleaning agent
	A4	Floor and wall cleaning agent
	A5	Floor and wall cleaning agent for cold stores and freezers
	A6	Cleaning agent with abrasives
	A7	Metal polish- no food contact
PRODUCTS FOR USE OUTSIDE PRODUCTION AREAS	C1	General use
	C2	Toilet/ locker room
	C3	Paint removal
LUBRICANTS	H1	Lubricant with incidental food contact
	H2	Lubricant without incidental food contact
	H3	Soluble oils
SOLVENT CLEANERS	K1	Solvent cleaner for use outside production areas
	K2	Cleaners for electronic instruments
	K3	Removal of adhesives
MISCELLANEOUS	P1	Miscellaneous products

## Novatio products with certification

PRODUCT	CERTIFICATION
Lubricant H1	NSF H1
Silgrease H1	NSF H1
Chain Lube H1	NSF H1
Maintenance Spray H1	NSF H1
Silicone Spray H1	NSF H1
Multifoam FS	NSF A1
Safety Clean FS	NSF K1
Novakleen pH9	NSF A1
Novakleen pH13	NSF A1
Inox-Pro	NSF A7, C1
Seal & Bond MS40 Trans	ISEGA EU 1935/LFGB
Seal & Bond MS40 Alu	ISEGA EU 1935/LFGB
Seal & Bond MS Construct	ISEGA EU 1935/LFGB
Seal & Bond MS60	ISEGA EU 1935/LFGB

## NSF International

### Nonfood Compounds Program Listed (Category H1)

(Registration Number 140737)

NSF is an American organisation that plays a leading role in US Food Safety regulatory compliance. It is the official partner of the WHO (World Health Organisation). NSF is known for its product classification in accordance with the “non-food compounds registration programme”.

In this programme, consumables such as cleaning agents, lubricants and protective agents are given a clear code indicating how and where they may be used in the production process. Certain products can be used everywhere, other products are not allowed to be used in a production area, or are not allowed to be used in the presence of foods.

Important: the codes only show a product class, without a value assessment. In other words, a H1 lubricant is no better or worse than a H2 lubricant. The use and the conditions are clearly described on the certificates of each product, which are freely available on the NSF website.



## HACCP

### Hazard analysis and Critical Control points

HACCP is an internationally used monitoring process for food production, from farmer to consumer. HACCP is aimed at preventing the spread of diseases throughout the food chain.

Every food producer and food handler must have a HACCP Plan in place that identifies the hazards and risks of contamination in the production chain and sets out a procedure with critical checkpoints to prevent those hazards and risks. HACCP is a circular process in seven steps, with the purpose of permanent process improvement.

HACCP stands for a work procedure, not for a certification. As such, there are no HACCP-certified or HACCP-conforming products.

**THE COMPOSITION OF THE NOVATIO FOOD-GRADE CLEANING AGENTS MAKES THEM SUITABLE TO BE USED IN A HACCP-CONFORMING CLEANING PROCESS. THIS MEANS THAT THEY:**

- do not contribute to a risk of biological contamination
- do not contain prohibited or toxic products
- do not leave traces of colour or odour on the surface
- are effective in the removal of organic and chemical contaminants



## European legislation

### EC 1935:2004 / LFGB

EC 1935 is the European legislation for all ‘food contact materials’. It provides standards, testing methods and general guidelines for assessing whether a material is suitable for (direct) contact with foodstuffs. Suitable materials can be recognised by the ‘glass and fork’ logo.

The German LFGB regulation is for a large part identical to the EU legislation.

Novatio products are tested for EC 1935 and LFGB conformity by the specialised German testing and certification institute ISEGA.



### FOOD CERTIFICATION: A PAPER MOUNTAIN?

Many products are available in both food-certified and non-certified versions. The difference between the two is more than just an administrative matter.

Food-certified products are strictly limited in the use of a long list of chemicals. In practice, this means modified raw materials are used in the formulation of the products, which adds considerably to the cost.

What’s more, the products are regularly tested in the manufacturing stage as well as the subsequent logistical stages by means of internal (ISO 9001) and external audits. All this gives the end user the guarantee of a safe and high-quality product.

### REDUCING THE FAULT MARGIN: SINGLE PRODUCT POLICY!

The difference in price of a food-certified and a non-certified product can add up to 20 or even 30 percent. This makes it economically tempting to use the certified products in the production areas and then switch to the cheaper versions outside those areas.

Nevertheless, we’re seeing that many companies are making the conscious choice for a so-called single product policy: wherever possible, only food-certified products are used throughout the entire company. This policy offers several advantages:

- No chance of making mistakes or of contamination
- Simpler administration and follow-up within the internal quality plan and HACCP plan.
- No need for separate storage and inventory management
- More attractive prices due to bulk buying





# Lubricants

The Novatio NSF-approved lubricants all fall into the H1 category.

This means they may be used in the food industry in areas where incidental contact with food is permitted. The high quality of the products allows for very precise dosing, drastically reducing contamination.

## NSF H1-certified lubricants: Best Practices

The NSF H1 category comprises all lubricants for use in food production, where 'incidental' contact with food may occur. Incidental should in this case be seen as 'unavoidable' or inherent in the application. All H1-inspected lubricants are free of toxic components and have been tested for possible migration of substances to foodstuffs.

It is the task of the user to apply the lubricants in such a manner as to avoid or minimise every contact with food.

### THEREFORE, THESE BEST PRACTICES SHOULD BE FOLLOWED:

- Targeted use: it is recommended, wherever possible, to apply the lubricants using a brush or by rubbing them on instead of spraying. Use a nozzle attachment to direct the lubricant wherever possible.
- Minimise the use of the product: use the minimum amount of lubricant needed to avoid dripping.
- Refresh regularly: Lubricants can often become sticky. This means they collect dust and organic residues over time, which could result in mould formation.
- It is therefore recommended to remove old lubricants regularly and to apply a fresh lubricant.

### NOVALUBE CERAMIC H1

FOOD APPROVED ANTIBLOCKING LUBRICANT AND PROTECTIVE PASTE

- ▶ Up to 2000 N / cm<sup>2</sup> and + 1400 ° C
- ▶ Simplifies assembly and disassembly and seals
- ▶ Prevents electrochemical influences
- ▶ Maintaining the tightening torque
- ▶ Acid, salt and water -resistant

Contains a high percentage of ceramic particles for the best lubrication in the worst conditions and also reduces wear in places of high friction and high temperatures. Does not attack rubbers or plastics and is not electrically conductive. Supplies all metals, even stainless steel, of a protective and anti-corrosion layer, which is well chemical and heat-resistant, and moreover cannot be rinsed by hot or cold water. Fills irregularities and improves the sealing of gaskets.

### APPLICATIONS

Suitable for springs, suspensions, exhaust fittings and seals, driving wheels and chains, hose connections, conveyor belts ,...



**Packages**  
Aerosol 400ml  
Pot 120gr

Art. 222101000  
Art. 222102000



**Packages**  
Aerosol 400ml

Art. 214601000

## LUBRICANT H1

LUBRICANT APPROVED FOR USE IN THE FOOD INDUSTRY

- ▶ **Clear, odorless and non-staining**
- ▶ **High viscosity, non-sticky and antistatic**
- ▶ **Temperature and water resistant**
- ▶ **Does not contain silicone!**

Offers optimum lubrication, even under high loads, is easy to apply in hard-to-reach places and can be used in a large temperature range without changing viscosity. Also protects against corrosion by forming a thin film layer, while still penetrating deep into the objects to be lubricated. Very effective with periodic and inaccessible lubrication points, also for heavy duty, inside and outside.

### APPLICATIONS

- For gaskets, packages, seals, O-rings, bearings, open mechanisms, cables, conductors, couplings, sliding rods, hinges, lock mechanisms, ...
- For installations that have to withstand harsh conditions in extreme conditions, contact with acids, alkalis, hot and cold water, steam and high pressure loads

## CHAIN LUBE H1

FOOD INDUSTRY APPROVED CHAIN GREASE

- ▶ **Penetrating and water-repellent**
- ▶ **Prevents friction**
- ▶ **Less wear, less noise and longer life**

Has excellent penetrating capacity that will decrease friction noise and general wear of the chain. Has strong water repellent and protecting features that prevent corrosion and increase lifespan of the chain.

### APPLICATIONS

For all chains of production machinery, forklifts, belts, cooling trucks, distribution chains, floor cleaning machines, ...



**Packages**  
Aerosol 400ml

Art. 214501000



**Packages**  
Tube 100gr

Art. 201111000

## SILGREASE H1

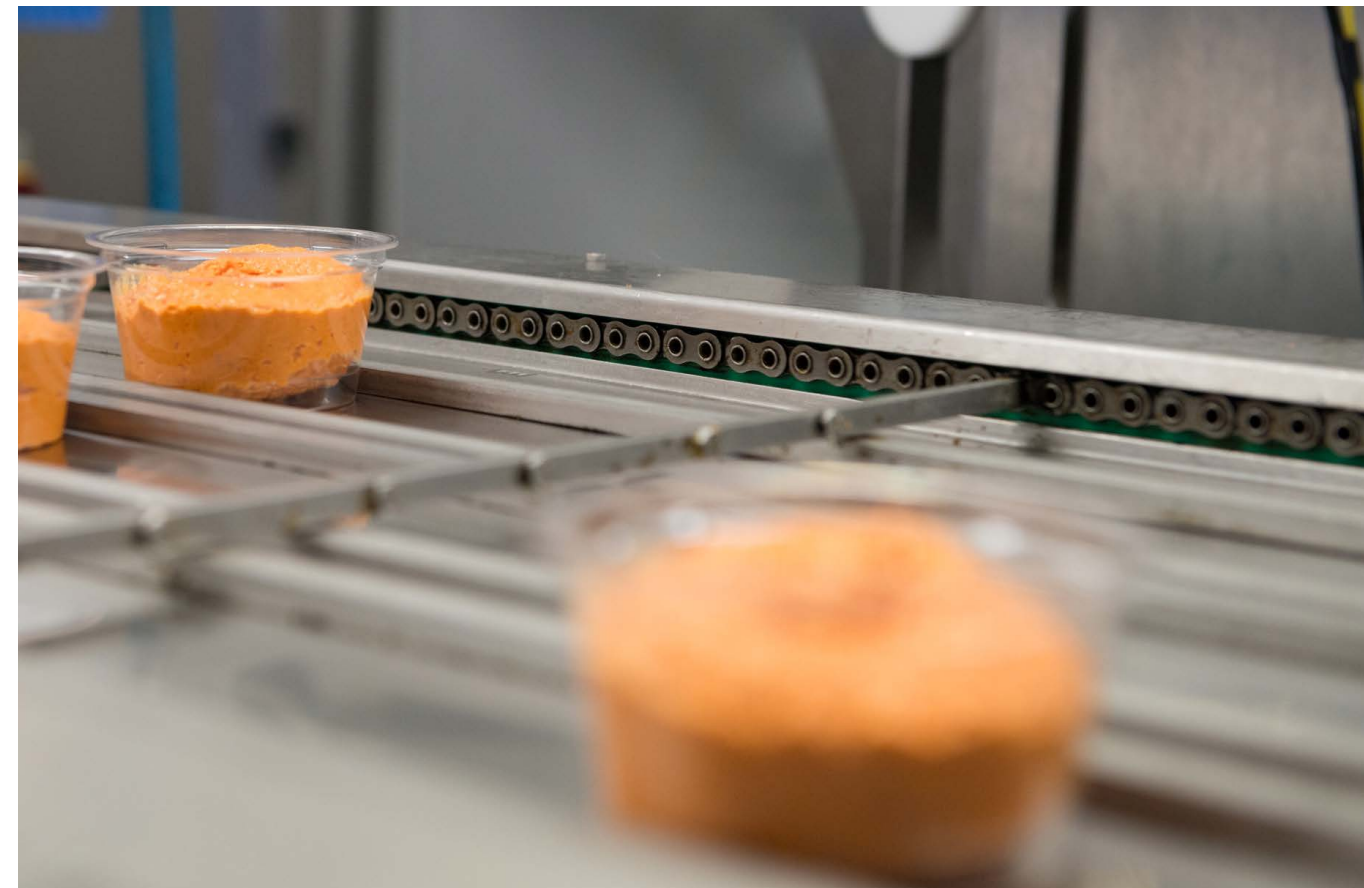
FOOD GRADE SILICONE LUBRICANT

- ▶ **Lubrication, insulation and protection**
- ▶ **Odourless and colourless**
- ▶ **Temperature and water resistant**
- ▶ **Contains no solvents nor volatile silicones**

A universal silicone grease, completely water-resistant, rust-resistant, colorless, non-toxic and neutral. Does not drip and does not harden. Resistant to sulfur dioxide, most dilute acids and alkaline solutions. Radiation resistant and electrically insulating, even in humid conditions.

### APPLICATIONS

- Protects electrical circuits against moisture and water, also on fridge and market vehicles
- Keeps rubber seals soft and flexible and prevents freezing
- Installation grease for water pipe connections and other seals







## SILICONE SPRAY H1

UNIVERSAL LUBRICATION AND PROTECTION

- ▶ **Odorless, transparent and super-fine lubrication**
- ▶ **Water repellent, prevents oxidation and rust**
- ▶ **Extreme temperature range from -50°C to + 250°C**

Has excellent lubricating and sliding properties with good temperature resistance and, thanks to its low surface tension, gives good adhesion and durability and offers resistance to rust and oxidation. Specially designed for all food processing plants such as slaughterhouses, dairies, bakeries, canneries, breweries, ... It also leaves a water-repellent and anti-oxidising film.



### APPLICATIONS

Light and transparent lubrication of fine mechanics

**Packages**  
Aerosol 400ml

Art. 201501000

## MAINTENANCE SPRAY H1

CLEANING, LUBRICATING AND PROTECTING

- ▶ **For fine precision lubrication**
- ▶ **Rust remover and protector for bolts and nuts**
- ▶ **Repels water and moisture through rapid and high penetration capacity**

Combines high penetration capacity with rapid moisture displacement for use in all food processing companies. Loosens clamped screws, bolts, nuts, pipe fittings and connections and leaves a protective film that prevents rust and oxidation.

### APPLICATIONS

- Stopping and preventing short circuits
- Loosening rusted nuts, bolts, screws, valves, valves, ...
- Expelling moisture from control cabinets and electronic measuring equipment
- Protecting against moisture from printed circuit boards, electrical contacts, sensors, switches, ...
- Re-shining stainless steel and chrome parts, protect tools and machines
- Removing oil and tar stains, soak tar and old fats
- Keeping operating levers, guides and rods of machines ready for operation



**Packages**  
Aerosol 400ml

Art. 232501000

## Lubricants overview

PRODUCT	TYPE	PROPERTIES	CERTIFICATE
CHAIN LUBE H1	Lubrication of chains and chain belts	<ul style="list-style-type: none"> <li>• Reduces stress on chain belts, extends the service life</li> <li>• Less noise</li> </ul>	NSF H1
NOVALUBE CERAMIC H1	Ceramic lubrication & protection and mounting paste	<ul style="list-style-type: none"> <li>• Protects metals against chemicals, temperature, moisture, etc.</li> <li>• Simplifies assembly &amp; disassembly</li> </ul>	NSF H1
LUBRICANT H1	Transparent, anti-static all-round lubrication	<ul style="list-style-type: none"> <li>• Silicone-free, anti-static</li> <li>• Excellent lubrication, even at high stress loads</li> </ul>	NSF H1
MAINTENANCE SPRAY H1	Superior food-certified multi-spray	<ul style="list-style-type: none"> <li>• Cleans, lubricates and protects</li> <li>• Excellent moisture expulsion and protection</li> </ul>	NSF H1
SILICONE SPRAY H1	Universal silicone lubricating and protective agent	<ul style="list-style-type: none"> <li>• Lubricates and protects precision-mechanical equipment</li> <li>• High temperature resistance (+250°C)</li> </ul>	NSF H1
SILGREASE H1	High-temperature silicone resin grease	<ul style="list-style-type: none"> <li>• Durable protection of electrical contacts</li> <li>• Protects and nourishes rubbers</li> </ul>	NSF H1



# Cleaners

A clean workspace is the key to good food safety. This includes everything from removing minor spills during production, daily cleaning of surfaces to standard periodic maintenance or thorough cleaning after a crisis situation.

Novatio offers food-certified solutions for all types of contamination. Most cleaning agents may be used in and during the food production process. Some solvent cleaners, however, may not come into contact with foodstuffs.

The food legislation states that the surfaces must be rinsed with pure water after every cleaning session. It is important to check the purity of the rinse water regularly in order to avoid the water becoming a new source of contamination.



**Packages**  
Aerosol 500ml

Art. 482501000

ERGO  
SPRAY

360°

## MULTIFOAM FS

FOAMING CLEANER FOR NATURAL POLLUTION IN THE FOOD INDUSTRY

- ▶ NSF A1
- ▶ Fresh scent
- ▶ Soft
- ▶ Spotless
- ▶ 360° nozzle: can be used in all directions, even upside down

Universal, effective foam spray for safe removal of natural contamination from all water-resistant surfaces, also vertically. Easy and safe to use, contains no abrasives and has a pleasant odour. Leaves no traces, smears or coloured marks on surfaces. For all food processing companies and companies developing packaging and machinery that may come into contact with food such as slaughterhouses, dairies, bakeries, canneries, breweries, board factories, ...

### APPLICATIONS

Can be used on: glass, paint, tiles, vinyl, porcelain, mirrors, formica, carpets, ceramic materials, plastic, stainless steel, granite, stainless steel, aluminium, metal, ...







## NOVAKLEEN PH9

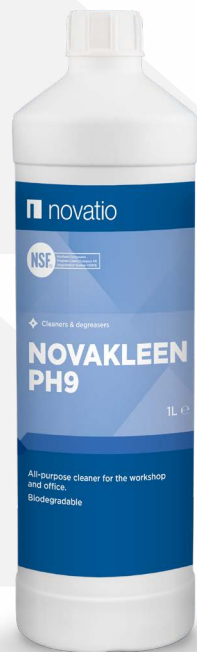
LIQUID CLEANER FOR NATURAL POLLUTION

- ▶ **NSF A1**
- ▶ **For cleaning and degreasing of all water-resistant surfaces**
- ▶ **Non-corrosive, non-flammable and biodegradable**
- ▶ **Fresh odour**

Powerful blend of water-soluble solvents, penetrating agents, wetting agents and synthetic detergents with the ability to attack the molecular structure of soils, greasy deposits, gummy residues and imbedded grease stains without damaging the surface itself. Soils are then detached by capillary action and emulsified for complete removal by mopping or rinsing. Biodegradable and does not contribute to water pollution.

### APPLICATIONS

- Can be used on all kinds of surfaces: synthetic materials, textiles, carpet, vinyl, canvas, formica, paint, metal, wood, chrome, aluminium, stone, concrete, tiles, polyester, plexiglass, rubber
- For the removal of most sorts of dirt: natural greases and oils, nicotine, diesel deposits, dead insects, adhering dust, shoe polish, pencil marks, ...



**Packages**  
Can 1l  
Can 25l

Art. 490410000  
Art. 490425000

## NOVAKLEEN PH13

LIQUID CLEANER FOR NATURAL POLLUTION

- ▶ **NSF A1**
- ▶ **For cleaning and degreasing of all water-resistant surfaces**
- ▶ **Non-flammable and biodegradable**
- ▶ **Fresh odour**

Powerful blend of water-soluble solvents, penetrating agents, wetting agents and synthetic detergents with the ability to attack the molecular structure of soils, greasy deposits, gummy residues and imbedded grease stains without damaging the surface itself. Soils are then detached by capillary action and emulsified for complete removal by mopping or rinsing. Biodegradable and does not contribute to water pollution.

### APPLICATIONS

- Can be used on all kinds of surfaces: synthetic materials, textiles, carpet, vinyl, canvas, formica, paint, metal, wood, chrome, aluminium, stone, concrete, tiles, polyester, plexiglass, rubber
- For the removal of most sorts of dirt: natural greases and oils, nicotine, diesel deposits, dead insects, adhering dust, shoe polish, pencil marks, ...

### Packages

Can 1l  
Can 5l  
Drum 210l

Art. 490010000  
Art. 490015000  
Art. 490200000





**Packages**  
Aerosol 500ml  
Can 5l  
Blik 25l

Art. 683501000  
Art. 683505000  
Art. 683525000

## SAFETY CLEAN FS

SOLVENT CLEANER AND DEGREASER

- ▶ **NSF K1 solvent cleaner**
- ▶ **For removing inorganic contamination such as grease, adhesives, silicones, oils, ...**
- ▶ **Fast, versatile and safe on most surfaces**
- ▶ **Non-staining and quick-drying**

Suitable for all food processing companies and companies that develop and repair packaging and machines for the food industry. This all-round cleaner and degreaser leaves no stains or oil film. Also perfect for finishing and removing adhesives. For slaughterhouses, dairies, bakeries, canneries, breweries, cardboard factories, ...

### APPLICATIONS

Perfect for effective removing of grease, oil, lubricant, tar, adhesive, silicones, wax, paraffin, printing ink, sealants dirt and other dirt from van motors, chains, generators, moulds, ...



**5 per pack**  
Yellow  
Green  
Blue  
Red

Art. 467190390  
Art. 467191390  
Art. 467192390  
Art. 467193390

## NOVAWIPE MICROFIBRE FS

MICROFIBRE CLOTH FOR THE FOOD INDUSTRY

- ▶ **Excellent cleaning qualities**
- ▶ **Super absorbent: up to 4 times its own weight**
- ▶ **Scratch-free results**
- ▶ **Durable**

The Novawipe Microfibre FS lowers the risk of contamination in the food industry, when used according to HACCP, and the colour coding for the various cleaning jobs prevents cross contamination between different rooms. This Novawipe is a knitted microfibre cloth with excellent cleaning and absorption properties; thick because of its pyramidal texture, it has a weight of 280g/m<sup>2</sup>. The pyramidal structure delivers a deep cleaning with scrubbing effect. This Novawipe Microfibre FS is durable and removes mechanical and vegetable oils as well. Ideal for use with Novatio cleaners.

## NOVA WIPE

CLEANING WIPES IN RESEALABLE BOX

- ▶ **Safe and skin friendly for the hands, contains glycerine**
- ▶ **No water, soap or solvents necessary: ideal on location**
- ▶ **Efficiently cleans and degreases also dirty and soiled, smooth surfaces**

Nova Wipes are efficient cleaning cloths that are easy to take on location. They are packed in a handy packing, you do not need water, soap or solvents. Nova Wipes remove most persistent contaminations on smooth surfaces.

### APPLICATIONS

- Cleans without problem very dirty hands, equipment, tools, parts, machines, ...
- Removes efficiently: oil, grease, lubricants, printing ink, non-hardenend 2-c lacquers, PUR-foam, polyester, PU-lacquers, MSPolymers, nicotine, adhesive, epoxy's, graffiti, silicones, polyurethanes, tar, ...

**Packages**  
Pot - 70st.  
Bucket - 150st.

Art. 467070000  
Art. 467075000



**Colour codes in the food industry:**

<span style="color: red;">■</span>	Sanitary	<span style="color: green;">■</span>	Floors
<span style="color: blue;">■</span>	Interior	<span style="color: yellow;">■</span>	Kitchen/disinfection





**Packages**  
Aerosol 400ml Art. 480504000

## INOX-PRO

PROFESSIONAL PROTECTION FOR ALL NON-FERROUS METALS

- **NSF A7 / C1**
- **The surface becomes antistatic and dirt repellent**
- **Forms a dry, brilliant film with a long life span**
- **Free of silicones, oils and solvents**

Cleans, embellishes and protects in one action. Protects and cleans matt or polished metal surfaces, like Inox, aluminium, chromium, non-ferrous metals, ... . Leaves an antistatic layer and prevents dirt from sticking to the surface. Can also be used for the treatment, protection and cleaning of ceramic parts, treated wood, glass and plastics. Does not affect glass, plastic or rubbers.

### APPLICATIONS

- Cleaning of stainless steel and metals, windows, kitchens, doors, elevators, taps, cooker hoods, industrial kitchens, bathroom furniture, ...
- Ideal on stainless steel, chrome, copper, aluminium, ...

# Cleaners overview

PRODUCT	TYPE	PROPERTIES	CERTIFICATE
<b>MULTIFOAM FS</b>	Foam cleaner and degreaser	<ul style="list-style-type: none"> <li>• Works well on organic contaminants</li> <li>• Removes fingerprints from surfaces</li> </ul>	NSF A1
<b>SAFETY CLEAN FS</b>	Safe solvent cleaner	<ul style="list-style-type: none"> <li>• For the removal of grease and oils</li> <li>• Degreaser before glueing</li> </ul>	NSF K1
<b>INOX-PRO</b>	Anti-static metal protection	<ul style="list-style-type: none"> <li>• Water-repellent protective layer</li> <li>• All metals</li> </ul>	NSF A7 / C1
<b>NOVAKLEEN PH9</b>	Quick, safe alkaline cleaner	<ul style="list-style-type: none"> <li>• Does not leave odours or colour stains</li> <li>• Powerful cleaning agent for fats, oils and protein-rich deposits</li> </ul>	NSF A1
<b>NOVAKLEEN PH13</b>	Powerful high-alkaline cleaner	<ul style="list-style-type: none"> <li>• Strong penetrating effect</li> <li>• Powerful on encrusted residues</li> </ul>	NSF A1
<b>AQUASOLV</b>	Concentrated power cleaner	<ul style="list-style-type: none"> <li>• Safe to use on all surfaces</li> <li>• Heavy organic soiling</li> </ul>	NSF A1
<b>BIO-PASTE</b>	Professional cleaning and polishing paste	<ul style="list-style-type: none"> <li>• Powerful without leaving scratches</li> <li>• Cleans and protects</li> </ul>	Applicable in accordance with HACCP*
<b>CA-CLEAN</b>	Quickly removes scaling and corrosion from surfaces	<ul style="list-style-type: none"> <li>• Chemical rust and calcium removal</li> </ul>	Applicable in accordance with HACCP*
<b>CA-REMOVER HD</b>	Professional descaling agent	<ul style="list-style-type: none"> <li>• Fast-acting descaler</li> <li>• Highly concentrated, can be diluted</li> </ul>	Applicable in accordance with HACCP*
<b>GLASS CLEANER</b>	Professional glass cleaning	<ul style="list-style-type: none"> <li>• Always a streak-free result</li> <li>• Powerful degreaser</li> </ul>	Applicable in accordance with HACCP*

\*Products can be safely used in your HACCP plan. Please consult our technical advisers.

# Adhesives & sealants

Adhesives offer the food industry several advantages over other mechanical fixing methods. For example, it enables the use of completely smooth wall surfaces and work benches, without screws or holes, and therefore much less chance of contamination.

The Novatio glues and sealants are all EC1935/ LFGB certified for use in spaces where food production takes place, allowing for incidental food contact (\*). This certification is much stricter than the NSF P1-class commonly used for adhesives, which does not permit use in food-production environments.

\*Permanent food contact is only permitted with 100% inert materials, such as stainless steel, glazed ceramics, glass or food-certified plastics. The Novatio-sealants and adhesives, however, are free of hazardous substances and do not show any interaction with foodstuffs.

## Novatio adhesives – Why EC 1935/ LFGB and not NSF?

The American NSF legislation can rely on a long-standing reputation and is well known in the food industry. There are various NSF P1-registered adhesives and sealants on the market. However, Novatio has made a conscious choice to use the European EC 1935 / LFGB FCM (food contact materials) registration.

The reasoning behind this choice is mainly technical. NSF does not have a specific category for adhesives and sealants. This leaves us with only one category in which we can register our products: NSF P1. This category only determines that a product is chemically suitable for use in the food industry. The certificate of each product mentions specifically whether or not it may be used in production areas. Glues in the P1 category are not certified for direct or indirect contact with foods.

The European FCM legislation does not work with categories, but rather describes in exact terms the extent to which the products are permitted to be in contact with foodstuffs. That is why Novatio has chosen this more specific and strict legislation. The Novatio adhesives and sealants can all be used in production areas where there is incidental contact with food.

## Adhesives: incidental food contact?

According to EU food contact materials regulations, direct and permanent food contact is only allowed with fully inert materials, such as stainless steel, certified ceramics, glass or specific certified plastics and composite materials.

Certain other substances are allowed for incidental contact with food. This means they are not toxic and no migration of the possibly toxic or hazardous elements will take place from the material to the food stuffs. From a viewpoint of precaution, the user must take all necessary measures to avoid permanent contact. Contact for a short time, however, is completely harmless. This rule also applies to the Novatio EC 1935/ LFGB-certified adhesives.







#### Packages

White - cartridge 310ml	Art. 533311000
Black - cartridge 310ml	Art. 533310000
Black - sausage 600ml	Art. 533380390
Anthracite - cartridge 310ml	Art. 533312000
Light grey - cartridge 310ml	Art. 533313000

## SEAL & BOND MS22 X

### HIGH-TECH SEALANT

- Temperature upon application from -10°C to +40°C
- Strong and elastic
- Can be painted on and is mildew-resistant
- Ecological and safe

Developed for use in all conditions: from -10°C to +40°C and where excellent adhesion and high flexibility are required. Resists weathering, UV rays and chemical corrosion very well. This makes it ideal for use in all environments, from industry to construction.

#### APPLICATIONS

- Horizontal as well as vertical expansion joints inside and out
- Glass seal in all climatic conditions
- Connection joints between materials with very different expansion behaviour
- Flexible bonding (movement capacity 20%)



#### Packages

Black - cartridge 290ml	Art. 531130000
-------------------------	----------------

## SEAL & BOND MS62 X

### HIGH-TECH CONSTRUCTION SEALANT

- Can be applied at temperatures between -10°C and +40°C
- High initial adhesion and keeps its shape
- Mildew-resistant
- Ecological and safe

Developed for use in all conditions: from -10°C to 40°C and where high immediate, long-term adhesion is required. Vibration-proof, can be painted on and is highly resistant to weathering, UV rays and chemical corrosion. This makes it ideal for use in all environments, from industry to construction.

#### APPLICATIONS

- Bonding without clamping profiles and sheet materials
- Hanging bonds
- Bonding and assembling in cold and freezer rooms, refrigerated trucks, refrigerated counters, ...

### IMPROVED FORMULA

## SEAL & BOND MS60

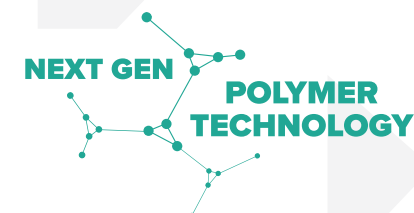
### BONDING, ASSEMBLING AND SEALING

- Even on wet surfaces
- Super strong and permanently elastic
- Fast curing, can be painted
- Without harmful substances

Seal & Bond MS60 is based on hybrid polymers, free of phthalates, solvents, isocyanates and silicones. As a result Seal & Bond MS60 is almost odourless and completely neutral so that the adhesion on blank metals and on most materials offers limitless possibilities. Can be welded before curing.

#### Packages

Black - cartridge 310ml	Art. 530116000
White - cartridge 310ml	Art. 530216000
Grey - cartridge 310ml	Art. 530316000





**Packages**  
Cartridge 310ml Art. 539596000

## SEAL & BOND MS40 TRANS

STRONG TRANSPARENT ADHESIVE AND SEALANT

- Clear sealing on both dry and moist surfaces
- Dries quickly and does not bleed on natural stone
- Can be painted with most solvent-based and water-based paints
- Permanently elastic, mold and bacteria resistant
- Has a practical rotatable nozzle

A strong sealing agent based on hybrid MS-polymer. Seal & Bond MS40 Trans is an ideal sealing agent. Has good bonding capacities on most building materials. Prevents fungoid growth and bacteria, does not make any stains on natural stone and can be applied on moist surfaces. Does not damage the silver layer of mirrors

### APPLICATIONS

The ideal transparent, elastic bonding and sealing product to use in the bathroom, kitchen and interior building



**Packages**  
Cartridge 310ml Art. 539796000

## SEAL & BOND MS40 ALU

ALUMINIUM COLORED SEALING KIT WITH TRANSPARENT FLOW

- Adjusts perfectly to all grey metals
- Can be used on moist surfaces
- Permanently elastic, mold and bacteria resistant
- Does not make any stains on natural stone
- Comes with a practical and twistable nozzle

Because of the special combination of transparent hybrid MS Polymers and aluminium pigments you can always get the fit color on grey metals. When applied in a thick layer, it gets an Alu-stainless steel color. When applied is a thin layer, it becomes transparent. Can be used on moist surfaces. Seal & Bond MS40 Alu cures fast and stays elastic. Can be used for both elastic fixing and sealing.

### APPLICATIONS

Ideal for sealing the metal-gray natural stone combination

## SEAL & BOND MS CONSTRUCT

CONSTRUCTION MS POLYMER FOR BONDING AND ASSEMBLY

- Can be used both indoors and outdoors, even on wet surfaces
- Superior initial adhesion without sagging
- Extreme tensile strength 23 kg / cm<sup>2</sup>
- Fast curing and paintable

Seal & Bond MS Construct is a high tech adhesive kit with an extremely quick and very powerful setting on the widest range of materials. This solvent and isocyanate-free assembly adhesive has a very high tensile strength and does not show signs of ageing. Seal & Bond MS Construct is neutral and acid-free, and can be used on a variety of materials, even natural stone. Seal & Bond MS Construct allows for 40 mm adhesive strips without any deformation.

**Packages**  
Black - cartridge 310ml Art. 531106000  
White - cartridge 310ml Art. 531126000



# Adhesives & sealants overview

PRODUCT	TYPE	PROPERTIES	CERTIFICATE
S&B MS40 TRANS	Transparent adhesive and sealant	<ul style="list-style-type: none"> <li>• Safe for use on all materials</li> <li>• Paintable</li> </ul>	EC1935/ LFGB
S&B MS40 ALU	Sealant with chameleon effect	<ul style="list-style-type: none"> <li>• Softens colour transitions</li> <li>• Stainless steel look</li> </ul>	EC1935/ LFGB
S&B MS60	MS Polymer adhesive and sealant	<ul style="list-style-type: none"> <li>• For glueing and sealing indoors and outdoors</li> <li>• Even on moist surfaces</li> </ul>	EC1935/ LFGB
S&B MS CONSTRUCT	Extreme high-tack mounting sealant	<ul style="list-style-type: none"> <li>• Clamps or supports no longer needed</li> <li>• Perfect for suspended or vertical glueing jobs</li> </ul>	EC1935/ LFGB



# Other products

The complete **Novatio** range comprises more than 380 references, from electrical connectors to specific cleaners for window profiles. Many of these products are not food certified. Sometimes this is simply irrelevant (fuel additives), sometimes because the composition doesn't allow for it, and sometimes because we have never been asked for a specific certificate.

The following products are not permitted in the production environment, but can be applied for general maintenance during building projects or repairs. Any certification requests will always be treated with due care.

## CA CLEAN

LIME SOLVENT AND RUST REMOVING CLEANER

- ▶ Ready for use in handy foam trigger
- ▶ Pleasant, fresh odour
- ▶ Works quickly

A cleaner that is ideally suited for deliming and removing rust stains. Suitable for horizontal and vertical applications thanks to the handy foam trigger.

### APPLICATIONS

- Cleaning of plastics and stainless steel installations that are often cleaned with alkaline products and frequently rinsed with water
- Derusting faucets, pipes, ...



**Packages**  
Can 5l  
Bottle 1l

Art. 496805000  
Art. 496801000

## BIO-PASTE

CLEANING, POLISHING AND PROTECTING PASTE

- ▶ For all hard materials
- ▶ Safe and biodegradable
- ▶ Hydrophobic result

Polishes without any risk of scratches. Multiple use renews the shine and quality of hard and scratched surfaces. The paste leaves a water-repellant layer. Can be used for cleaning, according to the HACCP techniques and prescriptions.

### APPLICATIONS

- Cleaning, polishing and protecting silver, copper, chrome, stainless steel, tin, aluminium, acrylic vitroceramic hobs, wall tiles, ...
- Ideal for use in mass catering
- Cleans all chrome and stainless steel drains, drip trays, sinks and counter drips, beer taps, shower, bath, washing sinks, bidets, ...



**Packages**  
Pot 600 gr

Art. 477001000







**Packages**  
Can 5l  
Bottle 1l

Art. 496105000  
Art. 496101000

## CA REMOVER HD

POWERFUL, PROFESSIONAL DELIMER

- **Very concentrated and powerful**
- **Safe for use on aluminium, stainless steel, PVC or rubber seals, ceramic tiles, ...**
- **Acts quickly**

A professional delimer for industrial appliances and is perfectly suited for removing limescale, mineral residue, lime and oxidation. Can be applied with a foam trigger and be used in a closed system. Acts quickly and is economical.

### APPLICATIONS

Removing limescale, mineral residue, lime, oxidation of piping, radiators, capacitors, heat exchangers, boilers, hot water boilers, dishwashers, washing machines, industrial appliances, ...

## GLASS CLEANER

PROFESSIONAL GLASS CLEANER

- **Can even be used in slight freezing temperatures**
- **Water- and dirt-repellent result without marks nor rainbow shine**
- **Extremely economical due to its power**

A professional glass cleaner that dries without leaving marks that comes in a long-life regulated pump spray. Produces great results on all types of glass, on most window frames and other surfaces. Has tensioactive agents that are more than 90% biodegradable. Fresh smell, ammonia-free and acidfree.

### APPLICATIONS

- Removes nicotine stains, insects, bird droppings, fingerprints, ...
- Ideally suited for all types of glass such as mirrors, glass tables, car windows, etc., as well as windows, PVC, glazed wall tiles, marble, plastic tables, ...



**Packages**  
Can 5l  
Bottle 1l

Art. 482055000  
Art. 482051000



**Packages**  
Can 5l  
Can 25l

Art. 491005000  
Art. 491025000

## AQUASOLV

CLEANING CONCENTRATE FOR NATURAL POLLUTION

- **Universally applicable by diluting up to 1 to 40**
- **Strong penetrating effect that "lifts" the dirt**
- **100% soluble in water and biodegradable**

Aquasolv breaks down the molecular structure of soils, greasy deposits, gummy residues and imbedded grease stains without damaging the surface itself. Soils are detached by capillary action and emulsified for complete removal by mopping or rinsing. Non-flammable and also safe to use on steel due to an anti-corrosion additive. Can be used for manual as well as for high-pressure cleaning.

### APPLICATIONS

Cleaning of machines, tools, cooling systems, printing presses, floors, polyester and other plastics



**Packages**  
Pot 600 g

Art. 477001000





Packages	
4,5mm - red - 50pcs	Art. 830220000
7mm - blue - 50pcs	Art. 830230000
9,5mm - yellow - 50pcs	Art. 830240000

## TOPFLUX

CONNECTING, SOLDERING, ISOLATING AND SEALING MULTIPLE CONDUCTORS

- ▶ Connects both flexible and rigid conductors of different diameters
- ▶ Perfect watertight connections
- ▶ Visual inspection of the connection through transparent insulation
- ▶ Temperature resistant from -60 ° C to 130 ° C



Packages	
Case Duoflux - ass. per 50	Art. 830100000
Case Duoflux - ass. per 100	Art. 830301000
0,2mm - 0,7mm - clear - 50pcs	Art. 830310000
0,5mm - 1mm - red - 50pcs	Art. 830320000
1,5mm - 2,5mm - blue - 50pcs	Art. 830330000
3mm - 6mm - yellow - 50pcs	Art. 830340000

## DUOFLUX

CONNECTING, SOLDERING, INSULATING AND SEALING TWO CONDUCTORS

- ▶ Watertight connection of both flexible and rigid conductors
- ▶ Transparent insulation allows visual control of the connection
- ▶ Resistant to temperatures from -60°C to +130°C

## SILICON REPAIR TAPE

EXTREMELY HARD-WEARING SELF-VULCANISING TAPE

- ▶ Pressure resistant to 15 bar
- ▶ Temperatures up to 260°C
- ▶ Watertight and airtight

Silicon Repair Tape is an emergency repair tape that can be applied on a (lightly) soiled and moist surface, with immediate sticking power. The tape is resistant to heavy chemicals, UV light and extreme temperatures.

Packages	
Clear - roll 25mm/3m	Art. 565515000

# Poxycon

Novatio offers a small and effective range of epoxies for various applications: surface reinforcement, concrete repair, floor repair, etc. Our technical advisers sit down with you to select the most appropriate product for your application.

## POXYCON

2C EPOXY WEAR LAYER AND REPAIR FOR FLOORS AND SCREEDS

- ▶ Pressure-, wear- and weather-resistant
- ▶ Exceeds the cohesion of concrete
- ▶ Mechanical and chemical resistant

Transparent, liquid 2-component epoxy resin for impregnating, reinforcing, priming, leveling, repairing, pouring, making encapsulation fluid-tight, ... . Epoxy mortar is obtained by adding Poxyl Quartz.



Packages	
Pot 2kg	Art. 637219000

## POXY QUARTZ

FILLER FOR EPOXY RESIN MORTAR

- ▶ Poxylcon + Poxyl Quartz = versatile repair mortar
- ▶ Suitable for wall bumpers, skirting boards, loading docks, etc.
- ▶ Repair of concrete decay



Packages	
Bucket 20kg	Art. 637319000







## NOVAWIPE PAPERBOX

CLEANING TISSUE PAPER IN HANDY DISPENSING BOX

- Highly absorbent, honeycomb-patterned cleaning tissue paper
- 2-ply bonded and folded sheets in handy dispensing box
- Extremely strong, even when wet

2-ply bonded, woven cleaning tissue paper with high absorbency, extremely strong even when wet, in a handy dispensing box of 240 sheets.

### Packages

Box 240 sheets

Art. 467300390



## Another challenge?

Do you have a specific challenge that cannot be solved with an existing product from our range? Share it with one of our experts and we will search for the best solution together with you in our lab.



## Our story

Founded in 1978 and later strengthened by Novatech, Novatio is now part of Novatech International. A Belgian family business, the products of which are available far beyond the national borders - in 27 countries.

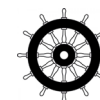
Novatech International developed an expertise in polymer technology that continues to make us the market leader in MS Hybrid Polymers today.

We have been awarded various quality labels and certificates for our products.

ISO 9001: 2015

ISO 14001: 2015

ISO 45001: 2018



BREEAM







Industrielaan 5B  
2250 Olen - Belgium  
32 14 25 76 40  
[info@novatio.be](mailto:info@novatio.be)

Novatio is a registered trademark of Novatech International NV