



Caramba Profi-Line

Professional – Sustainable – Effective

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www.caramba.eu

... it works!



Caramba
The brand of the century "Made in Germany"





- ▶ **Specialty chemicals for every application:** from a single source, from the inventor of the multi-function spray
- ▶ **Well positioned:** dedicated line for professional and commercial users – our Profi-Line with more than 70 products for lubrication, dissolving, cleaning, protection and care
- ▶ **Excellent user friendliness:** thanks to convenient and safe use and packaging sizes in line with the market requirements

- ▶ **Efficiency in its purest form:** thanks to the most effective formulations that are available on the market
- ▶ **Tradition in innovation:** more than 100 years research and development for our customers
- ▶ **Genuine chemicals "Made in Germany":** research, development and production in Germany
- ▶ **Concentrated know-how:** three modern research laboratories in Germany

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... it works!

Core product range



High-performance
Drilling and cutting oil
High-quality cutting oil for common
to moderate cutting applications

For more information, see page 17.



High-performance
Adhesive lubricant
Very adhesive lubricant with excellent
lubricating properties

For more information, see page 9.



Intensive
Brake cleaner acetone-free
Cleans brakes and other vehicle parts

For more information, see page 23.



High-performance
Industrial cleaner acetone-containing
Cleans and degreases machinery parts
and surfaces of any kind

For more information, see page 24.



Intensive
Stainless steel cleaner
Cleans and protects all metallic
surfaces indoors and outdoors

For more information, see page 27.



High-performance
Chain spray
Protects against wearing, elongation
and corrosion

For more information, see page 10.



Active
Cold shock rust remover
Loosens rusted screw connections very
quickly thanks to an extreme cooling

For more information, see page 17.



Active
Leakage detection spray
Locates leaks in gas and compressed
air systems

For more information, see page 12.



High-performance
PTFE spray
Versatile lubricant and preservative
on a synthetic basis

For more information, see page 18.



High-performance
Welding protection
Protects against weld spatter, prevents
damage to work pieces

For more information, see page 14.



High-performance
Rust remover Rasant
The specialist

For more information, see page 18.



High-performance
Silicone spray
Multifunctional lubricating and care
product for metals, plastics and rubber

For more information, see page 20.



Intensive
Rust Remover MoS₂
Rust remover, lubricating and
creeping oil

For more information, see page 20.

High-performance
Grease with PTFE
Odourless and neutral lubricant
with PTFE

For more information, see page 14.

Super
The original multi-function spray
Rust solvent, lubricant, contact spray,
corrosion protection and cleaner

For more information, see page 20.

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Repair and maintenance



High-performance Petrol additive

Cleans the fuel system and improves the operational reliability of petrol engines

- Suitable for all petrol engines with or without a catalytic converter
- Prevents deposits on fuel lines, injection needles, cylinders, spark plugs, carburettors, and in the combustion chamber
- Protects against corrosion and oxidation
- Ensures a complete combustion and reduces hazardous substances in the exhaust gas
- Extends the service life of catalytic converters

300 ml | Pack of: 15 | Order No. 690012

High-performance Diesel additive

Cleans and improves the operational reliability of the entire diesel system

- For all diesel engines in passenger cars and trucks
- Prevents deposits on the injection pump and fuel injectors
- For common rail and unit injector systems
- Protects against wear, corrosion and oxidation
- Reduces combustion noise and cold start knocking
- Improves the lubricating effect with low-sulphur fuel

300 ml | Pack of: 15 | Order No. 690011

High-performance Throttle valve and intake cleaner

Cleans fuel injectors, intake systems, throttle valves, and valves

- Dissolves coked residues and gum
- Improves the performance of exhaust emission valves and prevents performance loss
- Suited for petrol and diesel engines
- Reaches hard-to-reach locations with an optional separate spray probe

500 ml | Pack of: 6 | Order No. 609705

Probe for throttle valve and intake cleaner

Pack of: 6 | Order No. 683006

High-performance Battery terminal grease

Protects battery terminals and clips against oxidation

- Improves the current flow and prevents voltage losses
- Prevents malfunction
- Protects against corrosion and oxidation

500 ml | Pack of: 6 | Order No. 6456052



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Repair and maintenance

High-performance

Brake service paste

Special lubricant for brake maintenance

- Temperature-resistant up to +1,400°C
- Excellent lubricating properties (four-ball tester value: 2,200N)
- Suitable for anti-lock braking and electronic stability program systems
- Non-dripping, dielectric
- Effective protection against corrosion
- Permanently resistant to splash and salt water
- Free from metals, acids and silicone

5 g | Pack of: 50 | Order No. 60159605

High-performance

Brake service spray

Special lubricant for brake maintenance

- Temperature resistant up to +1,400°C
- Excellent lubricating properties (four-ball tester value: 2,600N)
- Suitable for anti-lock braking and electronic stability program systems
- Non-dripping, dielectric
- Effective protection against corrosion
- Permanently resistant to splash and saltwater
- Free from metals, acids and silicone

500 ml | Pack of: 6 | Order No. 60158605

High-performance

Wire rope and gear wheel grease

Black graphitic high-pressure grease, optimal corrosion protection by long-term lubrication

- Suitable for extreme loads (four-ball tester value: 2,100N)
- Temperature-resistant from -30°C to +120°C, emergency lubrication up to +450°C
- For heavy-duty bearings, steel ropes, cranes, elevators, moving stairs, etc.
- Resistant to saltwater and splash water
- Optimal adhesion
- Prevents the cold welding of surfaces at high pressure
- Non-gumming
- Silicone-free
- 172 h corrosion protection as per DIN EN ISO 9227 (salt spray test)

500 ml | Pack of: 6 | Order No. 64540001

High-performance

2-component liquid metal

Used to repair cracks and holes as well as to fill various materials

- Fast curing two-component adhesive
- Good adhesion on steel, cast iron, aluminium, copper, ceramic, concrete, wood, plastics, etc.
- Can be machined after curing, i. e. drilling, sawing, milling, thread cutting, etc.
- Temperature-resistant from -20°C to +120°C
- Curing time: 2-3 hours

25 ml | Pack of: 12 | Order No. 690017



High-performance Adhesive lubricant

Very adhesive lubricant with excellent lubricating properties

- Very effective adhering lubricant for parts exposed to high pressure, shocks, etc. (four-ball tester value: 1,800N)
- Eliminates creaking and squeaking
- Excellent creeping and penetration properties
- Good protection against corrosion

500 ml | Pack of: 6 | Order No. 64190501

Intensive Freeze spray

For fault location in electronic systems, for industrial repair purposes, etc.

- Fast cooling of materials to -40°C , free from CFCs and CHCs
- Evaporates without residues
- Helps to assemble metal parts such as ball bearings, bushes, chain links, shafts in the closest fits
- Can be used to check temperature sensors (bimetal, PTC / NTC resistors, etc.) and engine components (carburettor and injection systems)
- For shock freezing of rubber, foils, and tacky residues
- Reaches even hard-to-reach spots by a separate extra long spray tube

500 ml | Pack of: 6 | Order No. 690019

Intensive Freeze spray Non-flammable

For fault location in electronic systems, for industrial repair purposes, etc.

- Fast cooling of materials to -50°C
- Evaporates without residues
- Non-flammable
- Can be used to check temperature sensors (bimetal, PTC / NTC resistors, etc.)
- For shock freezing of rubber, foils and tacky residues
- Free of CFCs and CHCs

500 ml | Pack of: 6 | Order No. 690013

High-performance Ceramic paste

Versatile fitting and anti-seize paste

- Temperature-resistant from -20°C to $+1,500^{\circ}\text{C}$
- For highest loads (four-ball tester value: 2,400N)
- Non-conducting
- Prevents cold welding, friction, corrosion, and wear
- Suitable for metal components made of stainless steel, zinc, aluminium, copper, etc.
- Extremely adhesive and resistant to dropping or throwing off
- Free from silicone and metals
- Resistant to hot and cold water
- Free from graphite, molybdenum sulfide and sulphurous additives

200 ml | Pack of: 6 | Order No. 6905061



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Repair and maintenance

High-performance

Chain spray

Protects against wearing, elongation and corrosion

- Protects against wear and corrosion
- Excellent lubricating properties (four-ball tester value: 2,800N)
- Resistant to dropping or throwing off and water spray
- Fully synthetic colourless grease
- Temperature-resistant from -40°C to +200°C
- Good creeping properties
- Suitable for O-, X- and Z-rings

500 ml | Pack of: 6 | Order No. 60628501

High-performance

Contact spray

Good and lasting cleaning effect

- Optimal creeping properties
- Displaces moisture
- Cleans with a long-lasting effect
- Eliminates malfunction due to moisture
- Temperature-resistant from -50°C to +180°C
- Free from AOX

500 ml | Pack of: 6 | Order No. 60091703

High-performance

Copper paste

Provides highly effective protective and sliding films on parts which are exposed to high temperatures

- Effective from -30°C to +1,100°C
- Protects against corrosion, friction and seizing
- Helps against noises and vibrations
- Eases assembly and disassembly
- Ideal for fitting lubrication when assembling pipe, flange, exhaust pipe, combustor and other screw connections
- Resistant to high pressure
- Adhesive and resistant to abrasion
- Resistant to saltwater and most acidic and caustic solutions

200 ml | Pack of: 6 | Order No. 60268176

High-performance

Copper spray

Provides highly effective protective and sliding films on parts which are exposed to high temperatures

- Effective from -30°C to +1,100°C
- Protects against corrosion, friction and seizing
- Helps against noises and vibrations
- Eases assembly and disassembly
- Ideal for fitting lubrication when assembling pipe, flange, exhaust pipe, combustor, and other screw connections
- Resistant to high pressure
- Adhesive and resistant to abrasion
- Resistant to saltwater and most acidic and caustic solutions

500 ml | Pack of: 6 | Order No. 60268505



Chain lubricant in the endurance test

Motorcycle chains are exposed to very high stresses. Wear is unavoidable over time. If low-quality lubricants are used, wear will occur sooner. Power transmission deteriorates and the fuel consumption increases. The sprockets and driving safety are affected.

A high-quality lubricant must have the following properties:

- Excellent creeping properties
- Outstanding lubrication effect
- Best adhesion and resistance against throwing off

For the development of chain lubricants, Caramba uses a chain test stand. This is an apparatus which simulates driving conditions by two driven sprocket wheels.

In this way, various effects can be exactly controlled:

- Resistance to throwing off: based on the difference between the amount of lubricant that was initially applied and that remained at the end of the test
- Chain temperature: when it increases this is a sign for a decreasing lubricating effect or higher friction
- Lateral bending deformation: the higher the lateral bending deformation of a motorcycle chain after the test the higher the friction and wear were

Only formulations that pass the tough tests on this apparatus deserve the name Caramba chain spray.

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Repair and maintenance

Active

Leakage detection spray

Locates leaks in gas and compressed air systems

- Reliable for diagnosis
- Non-flammable
- Harmless to seals
- Can be used by all gas installation companies and test facilities
- Detects the finest hair cracks in plastic and metal piping
- Temperature-resistant from -15°C to +50°C
- DVGW-approved according to DIN EN 14291

400 ml | Pack of: 6 | Order No. 60320510

High-performance

Multi-purpose grease

Lubricates rolling and sliding bearings

- Transparent lithium saponified universal grease
- Forms a load-carrying lubricating and separating film (four-ball tester value: 1,600N)
- Reduces friction and wear
- Resists hot water and steam
- Resists oxidation, ageing, and fulling
- Temperature-resistant from -30°C to +120°C
- NLGI class 2

400 g | Pack of: 6 | Order No. 690020

High-performance

Multi-purpose grease NSF

Lubricates rolling and sliding bearings

- Approved for use in the food processing industry (NSF H 1-certified)
- Neutral in taste and smell
- Forms a load-carrying lubricating and separating film (four-ball tester value: 1,400N)
- Reduces friction and wear
- Resists hot water and steam
- Resists oxidation and ageing
- Temperature-resistant from -20°C to +120°C

385 g | Pack of: 6 | Order No. 690016

High-performance

Assembly lubricant

Aid for installing rubber seals

- Colourless and silicone-free
- Harmless to all plastics
- Improves the sliding of seals
- Can be used to install seals of windows, doors, sunroofs, etc.
- Leaves no lubricating residues
- Biodegradable

10 L | Pack of: 1 | Order No. 6136001

NSF

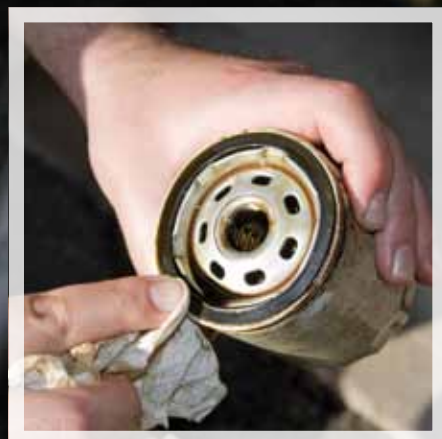
Nonfood Compounds
Program Listed (Category Code: H1)
(NSF Registration No. 142702)



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Nonfood Compounds
Program Listed (Category Code: H1)
(NSF Registration No. 142702)





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Repair and maintenance

High-performance

Engine and case sealing compound **Red**

Permanently elastic and heat resistant silicone sealing compound

- Quick skin formation
- Temperature-resistant from -60°C to +260°C, short-time up to +300°C
- Good resistance to chemicals
- Non-shrinking
- Adheres well on metal, glass, enamel, ceramic, aluminium, painted wood, etc.
- Can be used to make replacement seals

200 ml | Pack of: 6 | Order No. 690015

High-performance

Engine sealing compound **Black**

Permanently elastic silicone sealing compound

- Seals engines, gearboxes, oil sumps, cases, containers, etc.
- Permanently elastic, non-shrinking
- Quick skin formation (approx. 6 minutes)
- Good resistance to chemicals
- Temperature-resistant from -50°C to +180°C
- Can be used to make replacement sealing rings

200 ml | Pack of: 6 | Order No. 690025

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Nonfood Compounds
Program Listed (Category Code: H2)
(NSF Registration No. 138448)

High-performance

Grease with PTFE

Odourless and neutral lubricant with PTFE

- Excellent emergency running properties
- Approved for use in the food processing industry (NSF-certified)
- For extreme loads (four-ball tester value: 2,400N)
- Temperature-resistant from -30°C to +250°C
- Resisting to chemicals and salt water
- Excellent creeping properties, corrosion protection, free from silicone

500 ml | Pack of: 6 | Order No. 64181601

High-performance

Welding protection

Protects against weld spatter, prevents damage to work pieces

- Protects against weld spatter
- Non-flammable
- Non-flammable propellant for safe welding in hollow spaces
- Perfect for arc and gas-shielded welding on steel, aluminium, and stainless steel
- Tested according to DIN 8572

400 ml | Pack of: 6 | Order No. 60308505



High-performance Silicone spray grease

Adhesive lubricant for metals, plastics and rubber
with a high silicone content

- Excellent sliding and lubricating properties
- Resists oxidation and corrosion
- Low in odour and water-repellent
- Good long-term insulator for electrical plug-type connectors
- Temperature-resistant from -30°C to +200°C
- Approved for use in the food processing industry (NSF-certified)

500 ml | Pack of: 6 | Order No. 6074001

High-performance Dry lubricant spray

High-temperature resistant sliding and mould
separating agent on a ceramic-like basis

- For extreme loads (four-ball tester value: 1,500N)
- Especially suitable for mineral refractory and insulating materials such as metallic substrates
- Dissipates heat quickly
- Protects against corrosion and oxidation
- Reduces friction and wear
- Non-contaminating
- Temperature-resistant from -50°C to +1,500°C

500 ml | Pack of: 6 | Order No. 6404001

High-performance White spray grease

Lubricant and corrosion protection

- Protects against corrosion
- For high stresses (four-ball tester value: 1,400N)
- Excellent creeping properties
- Temperature-resistant from -40°C to +250°C
- Extremely resistant to dropping or throwing off and water
- Ideal for the lubrication of difficult-to-access locations
- Good visual control thanks to its white colouring (free from silicone)

500 ml | Pack of: 6 | Order No. 6071851



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Rust dissolving and lubricating



**THE ABC
OF KNOWLEDGE**

The new icebreaker among the rust removers

Caramba's EDI special solvent is a very efficient product for a variety of applications. Developed to remove seized injectors from the cylinder head, it can also be used to dissolve rust and to remove dirt crusts, oil residues and gum.

Function principle of the EDI special solvent

As soon as the EDI special solvent is sprayed it causes an extreme cooling down to -30°C and colder. Rust structures are immediately broken up, microcracks develop and slide-active PTFE particles penetrate deeply in the rust layer and lubricate from inside.

Result: Caramba's Profi-Line claims to include the most effective and innovative formulations. With their products, such as the EDI special solvent, Caramba turns rhetoric into action.

High-performance**Drilling and cutting oil**

High-quality cutting oil for common to moderate cutting applications in metal working

- For clean thread cutting
- Protects the tools
- Cools and lubricates during drilling, cutting, turning, milling, sawing and forming
- For alloyed and unalloyed steels, cast iron, chromium-nickel alloys, copper, titanium, manganese, aluminium and alloys from them
- Free from mineral oil and chlorine

500 ml | Pack of: 6 | Order No. 61730621

5 L concentrate | Pack of: 2 | Order No. 61730721

Active**EDI special solvent**

Helps to loosen nozzles and injectors on engines that are seized due to corrosion

- With quadruple effect
- Causes a cold shock up to -30°C thanks to its specific formulation
- This cold shock causes microcracks on the injector's sealing ring allowing the active agent to penetrate faster and deeper into the rust structure
- Efficiently dissolves and removes dirt crusts, oil residues, gumming, etc.
- Slide-active PTFE particles ensure a good sliding property and ease the injector removal

500 ml | Pack of: 6 | Order No. 6610050

Active**Cold shock rust remover**

Loosens rusted screw connections very quickly – thanks to extreme cooling

- Shock icing up to -35°C
- This cold shock causes microcracks in the rust structure allowing the active agent to penetrate faster and deeper
- Efficiently removes dirt crusts, oil residues, gum, etc.
- Contains PTFE and is, therefore, more gentle to the material (the thread's exposure to abrasive rust particles is minimised preventing damage to the thread)
- Free from silicone and acids

500 ml | Pack of: 6 | Order No. 6610001

High-performance**Graphite oil**

Rust solvent, lubricant, corrosion protection and cleaner

- Effective from -30°C to $+450^{\circ}\text{C}$
- Resistant to pressure and heat
- Good lubricating properties at high pressure (four-ball tester value: 1,200N)
- Higher lubricating performance with rising temperature
- Ideal lubricating effect for humid atmospheres
- Electrically conductive, silicone-free
- Non-gumming

500 ml | Pack of: 6 | Order No. 6003071

5 L | Pack of: 2 | Order No. 660450



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Rust dissolving and lubricating

High-performance Multi-oil

Rust solvent, lubricant, contact spray, corrosion protection and cleaner

- Approved for use in the food processing industry (NSF-certified)
- Excellent lubricating properties
- Good moisture displacement
- Good creeping properties
- Protects efficiently against failures caused by moisture and corrosion
- Temperature-resistant from -30°C to +150°C
- Free from solids and silicone, does not gum up

500 ml | Pack of: 6 | Order No. 661905

High-performance PTFE spray

Versatile lubricant and preservative on a synthetic basis

- Effective from -30°C to +250°C
- Resistant to chemicals
- Perfect emergency running properties
- Very good lubricating properties at high pressure (four-ball tester value: 1,600N)
- Dielectric, silicone-free
- Suitable for atmospheres (also vacuum)
- High water resistance prevents unwanted freezing

500 ml | Pack of: 6 | Order No. 60278505

Active

Rust remover **Biodegradable**

For the quick loosening of rust on corroded connections such as screws, nuts, joints, hinges, switches, and mechanical components

- Approved for use in the food processing industry (NSF-certified)
- Excellent creeping properties
- Infiltrates rust
- Displaces moisture
- Contains active agents based on renewable raw materials
- Non-gumming and non-conglutinating
- Harmless to coatings
- Free from silicone and acids
- 100% biodegradable according to CEC-L-33-A-93 test

500 ml | Pack of: 6 | Order No. 6022001

High-performance Rust remover Rasant

The specialist

- Dissolves rust very quickly
- Excellent creeping properties
- Loosens heavily rusted connections
- Effective against glue residues, dirt crusts, and resin formation
- Silicone-free

500 ml | Pack of: 6 | Order No. 6007081

5 L | Pack of: 2 | Order No. 6007051





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Rust dissolving and lubricating

Intensive

Rust remover MoS₂

Rust remover, lubricating and creeping oil

- Rust dissolving
- Excellent protection against wear
- Good lubricating properties
- Temperature-resistant from -40°C to +450°C
- Suitable for ultra-high vacuum
- Silicone-free

500 ml | Pack of: 6 | Order No. 6002081

5 L | Pack of: 2 | Order No. 60028847

High-performance

Silicone spray

Multifunctional lubricating and care product for metals, plastics and rubber

- Approved for use in the food processing industry (NSF-certified)
- Lubricates and maintains
- Temperature-resistant from -30°C to 200°C
- Colourless and low in odour, no staining
- High water resistance prevents unwanted freezing

500 ml | Pack of: 6 | Order No. 6103051

NSF

Nonfood Compounds
Program Listed (Category Code: H2)
(NSF Registration No. 140272)

Super

The original multi-function spray

Rust solvent, lubricant, contact spray, corrosion protection and cleaner

- Excellent lubricating properties
- Good moisture displacement
- Temperature-resistant from -40°C to +180°C
- Without solids
- Silicone-free, non-gumming
- Protects efficiently against failures caused by moisture and corrosion
- Good creeping properties

500 ml | Pack of: 6 | Order No. 6612011

5 L | Pack of: 2 | Order No. 6000410

25 L | Pack of: 1 | Order No. 600049

200 L | Pack of: 1 | Order No. 600059

High-performance

Synthetic oil

Lubricates and maintains metals, plastics and rubber in paint shops

- Maintains rubber and plastics
- Lubricates even at high mechanical stresses (four-ball tester value = 1,800N)
- Can be overcoated (droplets/accidental contamination only; acts as a separating agent if applied on larger areas)
- Temperature-resistant from -30°C to +200°C
- Is miscible with silicone and mineral oil based lubricants
- High water resistance prevents freezing
- Free from solids, contains silicone, colourless and odourless

500 ml | Pack of: 6 | Order No. 629905





**THE ABC
OF KNOWLEDGE**

World's first from Caramba: Innovative synthetic oil Combines the advantages of mineral and silicone-containing lubricants for the first time

Colourless, low in odour and compatible with almost all surfaces, the synthetic oil covers a wide range of applications. It maintains its excellent lubricating properties even at high pressures (four-ball tester value: 1,800N). Extremely resistant to temperatures (-30°C to +200°C) and water, it protects metal connections as well as rubber and seals against icing and drying-up even in the coldest winter. Because it is also water-repellent, the synthetic oil can be used as a contact spray and puts a stop to corrosion.

That means in practice: This product can be used without hesitation also in facilities with painting operations, because painting will no longer be affected even if the spray accidentally comes into contact with surfaces around the lubricating point, which is not possible with conventional silicone lubricants.

Automotive manufacturers confirm this: Because this innovative synthetic oil has already been tested through its paces by leading European manufacturers.

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Technical cleaning products



**THE ABC
OF KNOWLEDGE**

Flammability put to the test

PTB

Most cleaners on a solvent basis contain flammable substances. They can be dangerous if they are not properly used, i.e. close to hot surfaces or open flames. A flashback of the spray jet must be prevented in particular on pump sprayers or aerosol cans. That is why Caramba has such products tested by the Physikalisch-Technische Bundesanstalt (PTB).

The test procedure in detail:

The product is sprayed on a metal bar that has a temperature of approx. 825°C. When doing so, it is observed as to whether there is a flashback to the aerosol can. This is followed by a check of whether the sprayed residual amounts of product continue to burn. The test is repeated several times, with the spray time gradually increased. The same procedure is repeated on multiple aerosol cans. In this way, the PTB tested Caramba's High-performance brake cleaner, for example. The result: No flashback. No continuation of burning.

Intensive

Brake cleaner Acetone-free**Cleans brakes and other vehicle parts**

- Cleans fast
- Cleans without any residues
- Degreases completely
- Fast drying
- Free from acetone – neutral to rubber, plastics and coated surfaces
- Silicone-free

500 ml | Pack of: 12 | Order No. 6026381

5 L | Pack of: 2 | Order No. 6026091

25 L | Pack of: 1 | Order No. 6026101

60 L | Pack of: 1 | Order No. 6026111

High-performance

Brake cleaner Acetone-containing**Cleans brakes and other vehicle parts immediately**

- Fast drying
- Excellent cleaning effect
- With acetone
- Efficiently dissolves and removes gum, grease and oil residues, etc.
- Tested by the Physikalisch-Technische Bundesanstalt (Federal Physical-Technical Institute) in Braunschweig
- Lower explosion limit LEL >1.5% by volume

500 ml | Pack of: 12 | Order No. 6025211

Intensive

Compressed air spray**Removes the finest dust particles from sensitive surfaces**

- Pure and dry compressed gas
- For the cleaning of electronic components/ systems
- 360° valve included
- Improved blowing intensity
- Stable gas pressure until the can is empty
- Flammable, CFC-free, colourless, odourless, solvent-free

270 ml | Pack of: 6 | Order No. 6285001

High-performance

Electronics cleaner**Quick and reliable cleaner for electrical installations and electronic components**

- Cleans and maintains components
- Evaporates without residues
- Dissolves resin
- Provides optimal contact, prevents leakage current, eliminates contact resistances
- Effective against resinified contact lubricants
- Ideal for switches, plug-type connectors, relays, printed circuit boards, etc.

500 ml | Pack of: 6 | Order No. 60358542

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Technical cleaning products

High-performance

Industrial cleaner Acetone-containing

Cleans and degreases machinery parts and surfaces of any kind such as gearboxes, toothed wheels, heavy-duty chains, wire ropes, etc.

- Fast drying
- Effective without residues
- Dissolves oily contamination, removes crusty and gummed up dirt and residues
- Free of AOX and halogenated hydrocarbons (CHCs, CFCs)
- Tested by the Physikalisch-Technische Bundesanstalt (Federal Physical-Technical Institute) in Braunschweig
- Lower explosion limit LEL >1.5% by volume

500 ml | Pack of: 6 | Order No. 60250001

Intensive

Cold cleaner

Cleans engines and metal parts

- Cleans deeply
- Reduces the burden on wastewater and the environment
- Dirt-repellent
- Removes oil, resin, and stubborn dirt
- Fast separating
- No burden for the sewage and AOX-free
- Fully compatible with rubber and sealing materials
- Can be efficiently used in mobile and stationary cleaning systems

500 ml | Pack of: 6 | Order No. 60542803

10 L | Pack of: 1 | Order No. 60541001

25 L | Pack of: 1 | Order No. 60542201

Intensive

Silicone and wax remover

To remove silicone and wax residues from glass, coated, and chromed metallic surfaces

- Removes heavy contamination from smooth surfaces
- Removes silicone and insect residues, tree resins, tar, oil, and soot easily and completely
- For glass panes free from streaks and reflections
- Applicable to glass, coated, and chromed metallic surfaces
- Free of halogenated hydrocarbons (CHCs, CFCs), acetone and aromatics
- Non-corrosive

5 L | Pack of: 1 | Order No. 6025511





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Intensive

All purpose cleaner **Concentrate**

Highly concentrated cleaner for a thorough, but gentle cleaning of buildings, commercial kitchens, vehicles and industrial facilities

- Removes even the most stubborn dirt, such as oil, grease, nicotine, soot, wax, soap, ink, insects, etc.
- Eco-friendly because it is biodegradable
- Efficient in use as it is highly concentrated
- Approved for use in the food processing industry (NSF-certified)
- Can be implemented manually or by machine
- pH-value: approx. 11.3
- Mixing ratio depending on the extent of contamination 1: 5 to 1: 50

10 L | Pack of: 1 | Order No. 6901310

25 L | Pack of: 1 | Order No. 6901021

NSF

Nonfood Compounds
Program Listed (Category Code: C1)
(NSF Registration No. 142709)

Intensive

Stainless steel cleaner

Cleans and protects all metallic surfaces indoors and outdoors

- Protects against contamination and becoming tarnished
- Approved for use in the food processing industry (NSF-certified)
- Antistatic and maintaining
- Removes dirt, lime stains, rust films, greases, oils and resins
- Effective on stainless steel, aluminium, copper and brass
- Optimal anti-tarnish agent

500 ml | Pack of: 6 | Order No. 63308401

5 L | Pack of: 2 | Order No. 63308501

NSF

Nonfood Compounds
Program Listed (Category Code: A7)
(NSF Registration No. 139339)

Intensive

Cleaner for machined floor covering cleaning **Concentrate**

For industrial and commercial floor cleaning

- Highly effective and low-foam
- Dissolves contamination such as oil, grease, abraded rubber, etc.
- Suitable for all commercial cleaning machines
- Without NTA
- pH-value: approx. 13.2

10 L | Pack of: 1 | Order No. 6924052

25 L | Pack of: 1 | Order No. 6924151

Intensive

Tile and hall cleaner **Concentrate**

Highly effective water-soluble and strongly acidic cleaner with fast and deep action

- Highly effective against lime contamination
- Biodegradable according to the OECD standard
- Applicable to factory floors, sanitary rooms, washing stations, etc.
- Can only be used on acid-resistant surfaces
- Wastewater disposal via coalescence/light fluid separator
- pH-value of the concentrate: < 0,5

5 L | Pack of: 1 | Order No. 5281050

25 L | Pack of: 1 | Order No. 5281252

NSF

Nonfood Compounds
Program Listed (Category Code: A7)
(NSF Registration No. 139339)



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Operations and special cleaning

Intensive Rust film cleaner **Concentrate**

Removes rust films and corrosive appearances on passenger cars, trucks, utility, and rail-bound vehicles; also suited for rim renovation

- Solvent-free, anti-corrosive special cleaner
- Highly concentrated
- Can be thinned from 1:2 to 1:10 depending on the application
- Not suitable for acid-sensitive materials
- pH-value of the concentrate: <0.5

5 L | Pack of: 1 | Order No. 5281550

Intensive Industrial power cleaner **Concentrate**

For cleaning in repair, industrial and food processing areas

- Highly-concentrated cleaner
- Excellent cleaning performance
- Removes oil and grease, stubborn dirt, gum, etc.
- Without NTA
- pH-value: approx. 13.5

10 L | Pack of: 1 | Order No. 6926052

25 L | Pack of: 1 | Order No. 6926252

Intensive Machine and part cleaner **Concentrate**

To clean machines, engines, tarpaulins, chassis, underbodies, etc.

- Economical to use as it is highly concentrated
- High dirt dissolving power
- Removes oil, grease and other stubborn contamination
- Without NTA
- pH-value: approx. 12.8

10 L | Pack of: 1 | Order No. 6910101

25 L | Pack of: 1 | Order No. 6910251

Active Oil stain remover

To remove oil stains, fuel oil and diesel fuel from parking areas, driveways, and garage floors

- For all absorbing and non-absorbing substrates
- Suitable for natural stone and concrete, clay, pumice, floor screed, clinker, ceramic and textile floor covering
- Good adhesion, suitable for highly inclined surfaces

1 L | Pack of: 6 | Order No. 606801

10 L | Pack of: 1 | Order No. 6060331



Intensive PVC floor covering cleaner **Concentrate**

To clean factory floors, sports hall floors, corridors, etc.

- Removes shoe marks, brake residues, felt/ball pen lines from plastic floor coverings, sealed parquet, coated concrete floors, etc.
- Good grease-dissolving properties
- Without NTA

10 L | Pack of: 1 | Order No. 6912101

High-performance Special-purpose remover

Removes stubborn dirt without any residues

- For all smooth surfaces
- Dissolves stickers, glue residues, stains of paint, etc. from hard non-absorbing substrates
- Effective without leaving residues
- Can be used on chromium, glass and all smooth surfaces

500 ml | Pack of: 6 | Order No. 66140704

Active Water softener **Concentrate**

For flash evaporators and high-pressure washing devices

- Highly concentrated
- Prevents limescale buildup on heater coils and piping
- Is still effective even in hard water
- Without NTA
- pH-value: approx. 9

10 L | Pack of: 1 | Order No. 6925052

Intensive Workshop cleaner **Concentrate**

Highly concentrated alkaline cleaner for a thorough cleaning of halls, floors and production areas

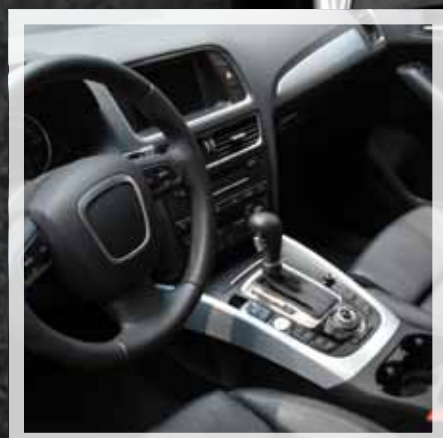
- Excellent dissolving power for oil, grease and dirt
- Environmentally friendly, and biodegradable according to the legal decree for the law on washing powder and cleaning agents
- De-emulsifying (automatic separation of oil and grease)
- Wastewater disposal via coalescence/light fluid separator
- Can be implemented manually or by machine
- pH-value (5% in water): 12.0

5 L | Pack of: 1 | Order No. 5447060

25 L | Pack of: 1 | Order No. 5447252



Cleaning and care



**THE ABC
OF KNOWLEDGE**

The chameleon among the rim cleaners

Rim surfaces are superficially covered with road dirt. So quickly as it deposits on a rim so easily can conventional tensides in commercial rim cleaners remove it. However, the actual challenge is abraded material from the brake. Why: The aggressiveness of the microscopically small metal particles increases depending on vehicle use and stress to the brakes. At high rotational speed, they hit the rim and are very hot. Their temperature in urban traffic is approx. 200°C. On motorways, it can easily exceed 500°C, or 750°C on mountain trips. So, the particles can burn into the protecting paint film of the rim.

Caramba active rim cleaner contains ingredients which dissolve abraded brake material efficiently and gently. When this process is completed the rim cleaner's colour changes from blue to red. This is due to a reaction between the cleaning component and the metallic brake dust. Once the product is removed, the rim is completely cleaned from brake dust.

Intensive

Cockpit care Silicone-free

Gently cleans and maintains cockpit and other plastic parts of vehicle interiors

- Silicone-free
- Suited for paint shops
- Antistatic effect
- Matt surfaces remain matt
- Removes grey haze
- Contains high-quality vegetable wax components forming a caring protective film

500 ml | Pack of: 6 | Order No. 61310001

Intensive

Cockpit care containing silicone

Sustainable care of all plastics and smooth leather with colour refresher

- Cleans and maintains all plastic parts and smooth leather
- Antistatic and dirt-repellent
- With UV protection against bleaching
- Particularly gentle cleaning thanks to water-based foam
- Removes grey haze from cockpits
- Fresh scent

500 ml | Pack of: 6 | Order No. 6161051

Active

Rim cleaner pH-neutral

Suited for all aluminium, steel and chrome rims as well as for painted rims

- DEKRA-approved quality
- Suitable for all rim types
- Removes extremely stubborn dirt such as brake dust, road salt deposits, etc.
- Active cleaning of areas that are difficult to access
- Free from acid, harmless to brake discs, paints, rubber and plastics

400 ml | Pack of: 6 | Order No. 6270061

10 L | Pack of: 1 | Order No. 6270051



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Cleaning and care

Intensive

Glass cleaner foam

For internal and external cleaning of glass and all smooth surfaces

- Removes stains easily
- Removes insect remains, streaks and deposits
- Cleans fast
- Removes stubborn dirt and organic residue
- Reduces window fogging

500 ml | Pack of: 6 | Order No. 6290305

Intensive

Magic Wonder Shine Refinement

Cleans and finishes smooth surfaces

- Cleans, refines and protects
- For smooth surfaces
- Suitable for paint, chrome, plastic materials, etc.
- Maintains, cleans, and protects all in one step without preliminary cleaning
- Optimal gloss finish and protective effect for many months
- Contains silicone

400 ml | Pack of: 6 | Order No. 6311161

Active

Perfect climate

Air system cleaner – fresh scent and hygienic climate in the car

- Removes odour producing microorganisms
- Provides a fresh scent
- With a disinfecting active agent
- Counteracts odours due to dust and dirt deposits, bacteria and fungi
- Removes unpleasant odours from upholstery and carpeting

100 ml | Pack of: 20 | Order No. 64501101

Active

Foam cleaner

Highly efficient cleaning foam for all washable surfaces

- Perfect for renovation
- For plastic materials, upholstery, or smooth leather
- With a fresh scent
- Can be used on all washable surfaces
- Removes stubborn dirt
- Gentle to materials
- Stable foam makes it easy to clean vertical or inclined surfaces
- Gentle to materials and compatible to the environment as the washing-active substances are biodegradable

500 ml | Pack of: 6 | Order No. 64010601





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Corrosion protection and preservation



**THE ABC
OF KNOWLEDGE**

Maritime climate in the test cabin – The salt spray test

Oxygen in the air and moisture cause metals to rust. This corrosion process can seriously damage metallic parts. Multi-oils and lubricants from Caramba efficiently and sustainably protect against rust films. But how to prove the efficiency of Caramba products in an objective manner? The salt spray test as per industry standard EN ISO 9227 is a gauge. For it, standardised sheet metal samples are arranged at an angle of 45° in a test cabin and sprayed with salt water steam at a constant temperature of 35°C.

The advantages of this method:

In nature, the key factors for corrosion such as humidity of air, temperature, air pollutants, etc. always vary. However, in the salt spray test, all factors can be controlled. A corrosion-fostering artificial maritime climate is made. Within a few days, it is possible to study processes, which would otherwise take several months or years. Under laboratory conditions, it is exactly recorded how many percent of the surface is corroded within what amount of time. Multi-oils from Caramba always keep what they promise in these tests.

High-performance Primer **Light-grey**

Light primer for protection against corrosion and weathering; For repair painting and surface finishing

- Fast drying
- Excellent opacity
- Good adhesion on metals, wood, stone, ceramic, concrete, paintable plastics, etc.
- Ideal spray pattern thanks to its fan nozzle
- Resistant to petrol, light-fast, weather-resistant
- High solids content
- Overpaintable with commercial nitrocellulose and water-based paints

500 ml | Pack of: 6 | Order No. 6620441

High-performance Anti-corrosive wax

Transparent preservation product for storage and transport of non-painted and painted parts

- Good creeping properties
- Protects during storage and transport
- Drip fast up to +100°C
- Forms an elastic film that remains flexible even in cold environments
- Fast drying
- Resistant to salt water and moisture-displacing
- Effective on aluminium, copper, brass and zinc
- Can be removed using cold cleaner and pressure washer

500 ml | Pack of: 6 | Order No. 6406001

High-performance Anti-corrosive primer **Red-brown**

Special rust stop primer and primer filler for repair painting

- Fast drying
- Excellent protection against corrosion
- Good isolation of the transition zones of ground and filled areas
- Overpaintable with commercial nitrocellulose and water-based paints

500 ml | Pack of: 6 | Order No. 691509

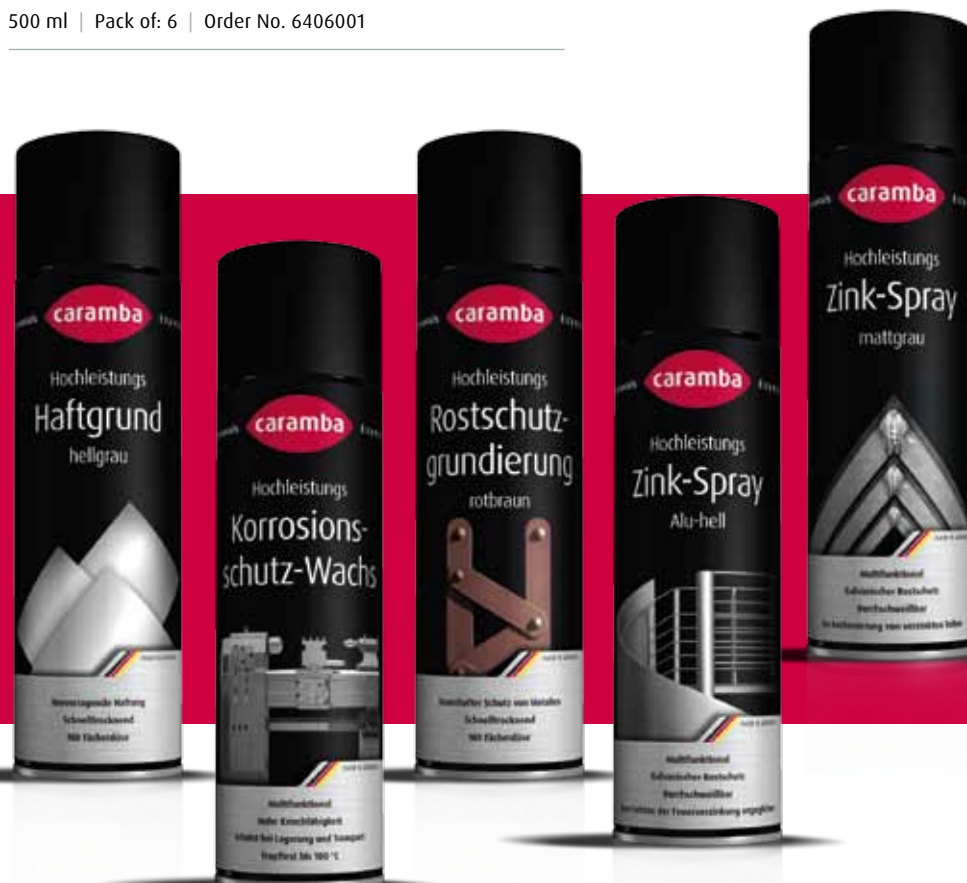
High-performance Zinc spray

Lasting galvanic rust protection for metals of any type

- Can be welded through and overcoated
- Protective effect for more than 144 hours (aluminium-light) or 1,140 hours (matte grey) in the salt spray test as per DIN EN ISO 9227
- Temperature-resistant up to +200°C (aluminium light) or +600°C (matte grey)

Aluminium-light | 500 ml | Pack of: 6 | Order No. 60768505



Matt-grey | 500 ml | Pack of: 6 | Order No. 60388505



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Hand cleaning

Hautschutzplan					... das wirkt!
Hautschutz vor der Arbeit		Hautreinigung nach der Arbeit		Hautpflege nach der Arbeit	
wasserfest		Mittlere bis starke Verschmutzungen	Starke bis stärkste Verschmutzungen	silikonfrei, feuchtigkeitsspendend	
					
Säuren, Laugen, Fette, Leim, Klebstoffe, Reinigungsmittel		Öl, Fett, Farbe, Teer, Harz, Bitumen und Tinte	Öl, Fett, Farbe, Teer, Harz und Gummirückstände	Alle Arten von Verschmutzungen	

**THE ABC
OF KNOWLEDGE**

Caramba supports your health care

At workplaces, the skin, our largest organ, is often exposed to adverse environmental impacts. The most common hazards include:

- Contact with caustic, irritating or sensitising substances
- Mechanical impacts, working in wet conditions or under extremely cold or hot temperatures as well under UV radiation
- Frequent thorough skin cleaning

That is why businesses in Germany have to analyse the hazard potential of their workplaces according to § 5 of the German Occupational Safety and Health Act and take appropriate countermeasures. These include the substitution of hazardous substances by safer ones or the separation between hazardous substances and the skin by means of appropriate protective clothing, for example.

Our tip for you: For Caramba skin cleaning and care products, a prepared skin protection scheme comfortable to law is available for posting. Businesses can obtain it directly from Caramba.

Hand care cream

Care for stressed hands

- Regenerates the skin
- Supports the formation of the natural protective layer of the skin
- Moisturising
- Regenerates and protects the skin from drying out and cracking
- Dermatologically tested
- Silicone-free

300 ml | Pack of: 20 | Order No. 698010

Hand cleaner

For thorough and quick hand cleaning

- Can be used universally for the thorough and quick removal of dirt, oil, grease, paint, tar, resin and rubber residues
- Powerful in dirt dissolving by a combination of synthetic and natural detergents
- Abrasive agents gentle to the skin

300 ml | Pack of: 20 | Order No. 6980300

3 L | Pack of: 1 | Order No. 698033

Dosing pump for 3 L | Pack of: 1 | Order No. 698020

10 L | Pack of: 1 | Order No. 6980310

Hand protection cream

"Invisible gloves" preventing contact dermatitis and skin irritation

- Prevents detergents, acids, alkalis, grease, glue, adhesives, etc. from contacting the skin
- Protects against common contamination of the skin
- Eases hand cleaning
- Dermatologically tested
- Silicone-free

Note: Remove the product by washing with water and hand cleaner.

300 ml | Pack of: 20 | Order No. 698011

Hand-washing paste

Pore-deep cleaning in case of stubborn dirt

- Removes gently and down to the pores oil, grease, bitumen, ink and other stubborn contamination
- Contains skin-friendly ingredients
- Sand-free
- Contains wood flour as a biodegradable abrasive
- Free from alkalis and solvents

500 ml | Pack of: 24 | Order No. 6980500

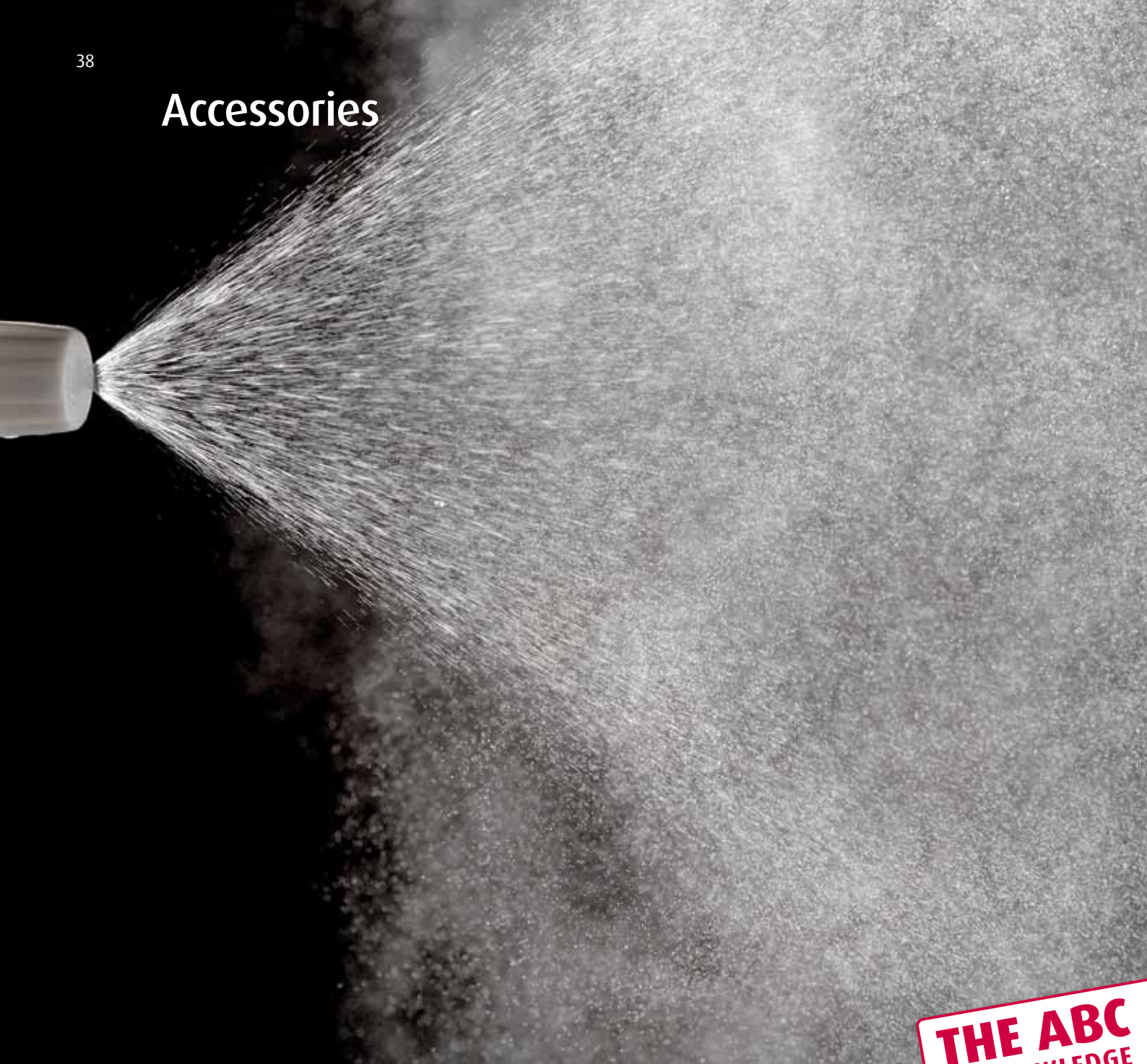
10 L | Pack of: 1 | Order No. 6980510



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Accessories



**THE ABC
OF KNOWLEDGE**

Using pump sprayers more efficiently

Pump sprayers are refillable sprayer bottles. Once liquid has been filled, air is pumped into the bottle by means of a hand pump. An overpressure builds up in the bottle. When the spray button is then pressed the product is atomised as in an aerosol can and can be easily applied.

Our expert tip on how to significantly extend the service life of a standard pump sprayer with a capacity of 1 Litre from Caramba:

- Basically: Always use pump sprayers for the products for which they are designed. Other products may damage the seals.
- Always empty the sprayer once the work is completed – no matter what product it contains.
- Simply allow sprayers for brake cleaner to dry in the air after emptying.
- Rinse sprayers for all purpose cleaner and rim cleaner additionally with clean water and spray several times with clean water.
- Leave sprayers of any type open up to the work on the next day.



Pouring spout

Drain valve acc. to DIN 51:

- For 5 L and 10 L plastic cans
- Suitable for tile and hall cleaner, rust film cleaner, workshop cleaner

For 5 L and 10 L plastic cans | Pack of: 1 | Order No. 689602

Pouring spout

Drain valve acc. to DIN 61:

- For 25 L plastic can
- Suitable for all purpose cleaner, cleaner for machined floor cleaning, tile and hall cleaner, industrial power cleaner, machinery and parts cleaner, workshop cleaner

For 25 L plastic cans | Pack of: 1 | Order No. 689600

Pouring spout

Drain valve acc. to DIN 71:

- For 60 L plastic can

For 60 L plastic cans | Pack of: 1 | Order No. 689601

Pouring spout

3/4" drain valve

- For 60 L and 200 L metal drums
- Suitable for intensive brake cleaner, Super

For 60 L and 200 L metal drums | Pack of: 1 | Order No. 15313003

Hand cleaner pump

Dosing pump for hand cleaner (3 L)

- Durable dispensing pump
- Including wall bracket and fasteners

Dosing pump 3 L | Pack of: 1 | Order No. 698020

Pump sprayer for all purpose cleaner

Pump sprayer for all purpose cleaner

- For the ready-for-use solution
- Capacity: 1 Litre
- Empty

For all purpose cleaner | Pack of: 1 | Order No. 69320304

Pump sprayer for brake cleaner

Pump sprayer for intensive brake cleaner

Acetone-free

- Capacity: 1 Litre
- Empty

For brake cleaner | Pack of: 1 | Order No. 69320104

Pump sprayer for rim cleaner

Pump sprayer for rim cleaner

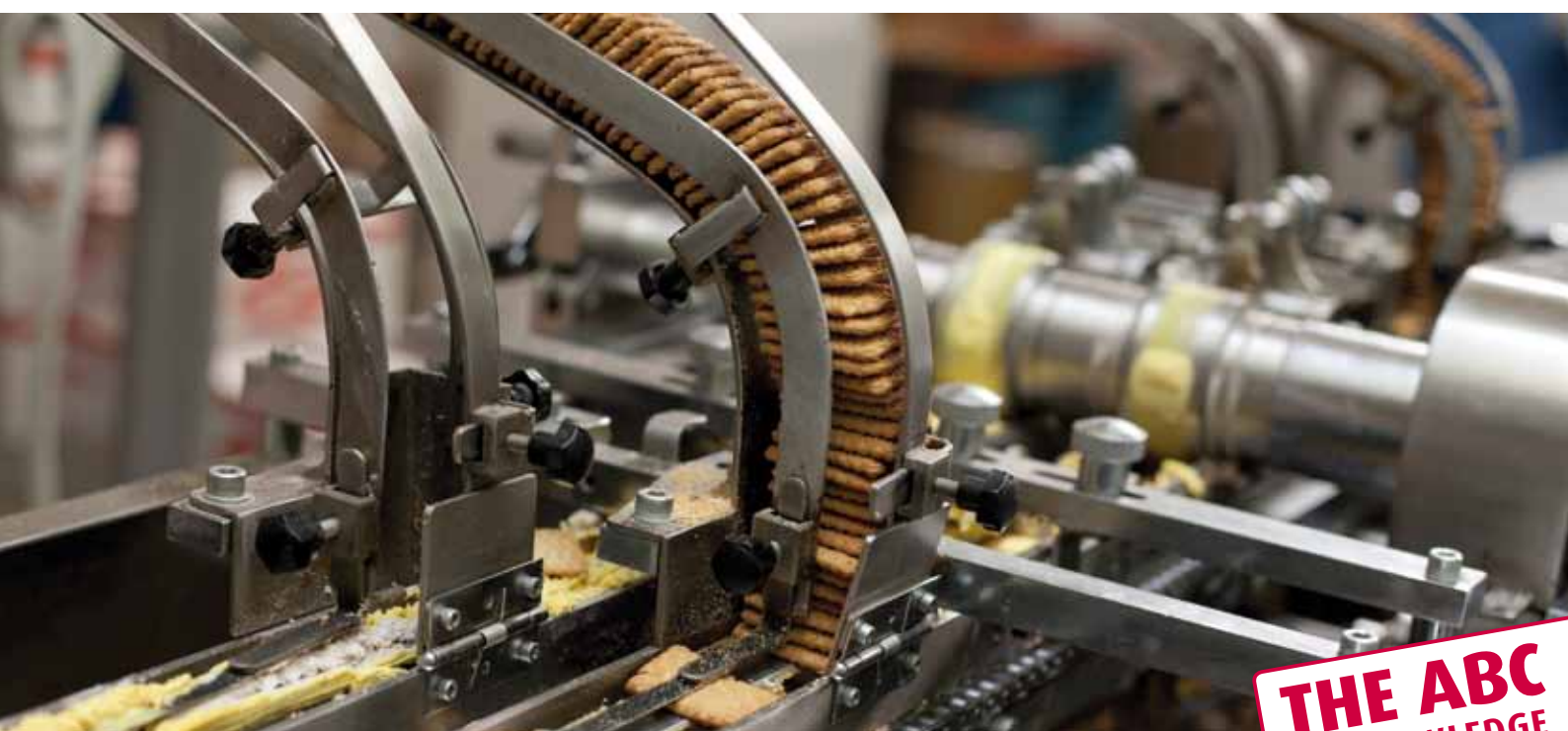
- Capacity: 1 Litre
- Empty

For rim cleaner | Pack of: 1 | Order No. 69320204



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**THE ABC
OF KNOWLEDGE**

Safety has top priority

Food packaging manufacturers, plant and machine builders for the food processing industry or their service providers must be sure that maintenance and cleaning products can be used without hesitation in this sensitive environment. The quality seal from the US health care organisation "National Sanitary Foundation" (NSF) guarantees the highest level of safety.

It is the international benchmark for the food processing sector. Products are tested for their chemical and toxicological harmlessness. For example, NSF H1-approved lubricants and cleaners can be used if a contact with food in case of damage cannot be excluded. The NSF H2 classification is for products that can be used if a direct contact is technically excluded. At present, Caramba offers eight special formulations with NSF seal – such as the intensive all purpose cleaner for commercial kitchens and industrial cleaning and the active stainless steel cleaner. For the lubrication of rolling and sliding bearings, the NSF has approved our high-performance multi-purpose grease NSF, for example.

NSF products at a glance

High-performance

Multi-purpose grease NSF

Lubricates rolling and sliding bearings

For more information, see page 12.

High-performance

Grease with PTFE

Odourless and neutral lubricant with PTFE

For more information, see page 14.

High-performance

Silicone spray grease

Adhesive lubricant for metals, plastics and rubber with a high silicone content

For more information, see page 15.

High-performance

Multi-oil

Rust solvent, lubricant, contact spray, corrosion protection and cleaner

For more information, see page 18.

Active

Rust remover Biodegradable

For the quick loosening of rust on corroded connections such as screws, nuts, joints, hinges, switches, and mechanical components

For more information, see page 18.

High-performance

Silicone spray

Multifunctional lubricating and care product for metals, plastics and rubber

For more information, see page 20.

Intensive

All purpose cleaner Concentrate

Highly concentrated cleaner for a thorough, but gentle cleaning of buildings, commercial kitchens, vehicles and industrial facilities

For more information, see page 27.

Intensive

Stainless steel cleaner

Cleans and protects all metallic surfaces indoors and outdoors

For more information, see page 27.



Nonfood Compounds
Program Listed (Category Code: H1)
(NSF Registration No. 142702)



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Product overview from A to Z

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Suggestions for shelf stocking



Sales display



Core product range



Core product range setup



Interested?

If yes, please contact our representative who is responsible for you.
They will provide you with all the information and advice on our core product
range and our sales displays.

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Sicherheitssdatenblatt
gemäß 1907/2006/EG, Artikel 31
überarbeitet am: 24.10.2011
Versionsnummer 1

Druckdatum: 24.10.2011

1 Bezeichnung des Stoffs bzw. des Gemisches und des Unternehmens

Produktidentifikator
Handelsname: **CARAMBA Profi Synthese-Öl (Aerosol)**
Relevante identifizierte Verwendungen des Stoffs oder Gemisches und Verwendungen, von denen abgesehen wird
Verwendung des Stoffs / des Gemisches Schmierstoff
Verwendung des Stoffs / des Gemisches, der das Sicherheitsdatenblatt bereitstellt
Einzelheiten zum Lieferanten:
Hersteller/Lieferant:
CARAMBA CHEMIE GMBH & Co.KG
WANHEIMERSTR. 334/336
47055 DUISBURG
Tel.: +49 (0) 203 77 86 01
www.caramba.de
Auskunftsgebender Bereich:
Abteilung Labor
Andrea Petersen
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Tel.: +49 (0) 203 77 86 189
Notrufnummer: Giftnotruf Berlin +49 (0) 30 30886 790 Beratung in Deutsch und Englisch

2 Mögliche Gefahren

Einstufung des Stoffs oder Gemisches
Einstufung gemäß Richtlinie 67/548/EWG oder Richtlinie 1999/45/EG

Xi; Reizend
R36: Reizt die Haut.
F+; Hochentzündlich
R12: Hochentzündlich
N; Umweltgefährlich
R51/53: Giftig für Wasserorganismen
R67: Dämpfe können Schläfrigkeit verursachen
Das Produkt ist kennzeichnungspflichtig für Gefahrstoffe
Einstufungsschritte für Zubereitungen
Vorsicht! Behälter steht unter Druck.
Klassifizierungssystem:
Die Klassifizierung entspricht der Fachliteratur und durch Firmenangaben

Kennzeichnungselemente

Kennzeichnung nach EWG-Richtlinie
Das Produkt ist nach EG-Richtlinie
Kennbuchstabe und Gefahrenpiktogramm
Xi
F+
N

R-Sätze:
12 Hochentzündlich.
36 Reizt die Haut.
51/53 Giftig für Wasserorganismen.
67 Dämpfe können Schläfrigkeit verursachen.
S-Sätze:
2 Darf nicht in die Hände von Kindern gelangen.

Caramba Chemie
Betriebsanweisung
gemäß § 14 GefStoffV
Datum: 24.06.2011

Arbeitsbereich
Arbeitsplatz
Tätigkeit

Gefahrstoffbezeichnung
CARAMBA Profi Ansaugeiniger (Aerosol)
Gefahren für Mensch und Umwelt

Hochentzündlich.
Gesundheitsschädlich beim Einatmen und bei Berührung mit der Haut.
Reizt die Augen und die Haut.

Schutzmaßnahmen und Verhaltensregeln

Auf sehr gute Belüftung des Arbeitsplatzes achten.
Nur Ex-geschützte Geräte und funkenfreie Werkzeuge verwenden.
Nicht rauchen, essen und trinken in Arbeits- und Lagerräumen. Auch keine Lebensmittel, Getränke oder Tabak aufbewahren.
Vorgeschriebene Schutzausrüstung: - nichtschmelzende, antistatische Schutzkleidung - Vollständige Schutzhandschuhe, ggf. auch Atemschutzgerät (Maske) - dichte, beständige oder Schutzhandschuhe, unentflammbar oder schwer entflammbar - antistatische Schutzhandschuhe
Substanz nie mit offener Flamme erwärmen.
Dämpfe sind meist schwerer als Luft und können in tieferliegende Räume eindringen, dadurch Gefahr von Fernzündungen.
Jede Störung sofort dem Vorgesetzten melden. Reparaturen sachgerecht und mit Vorsicht nach Austritt von Flüssigkeit unbedingt lüften. Funkenbildung und Flammen unbedingt vermeiden.
Keine größeren Vorräte am Arbeitsplatz lagern.
Reim Unfällen Verdunsten und Verspritzen vermeiden. Behälter erden.
Nur in saubere Gebiete umfüllen.
Zerbrochene Gefäße mit der Substanz nur unter Verwendung eines Überbehälters (z.B. Plastikeimer mit Griff) transportieren.

Verhalten im Gefahrfall

Im Falle einer Brandgefahr betriebliche Anweisungen genau einhalten.
Kleinere Brände mit geeigneten Mitteln löschen, evtl. mit Wasserspritzstrahl löschen.
Einatmen von Staub:
Bei Auftreten von Reizungen oder Beschwerden Atemschutzgerät verwenden.
Bei Auftreten von Reizungen oder Beschwerden Vorgesetzten oder Betriebsarzt informieren.

Betroffene Haut:
gen sofort mit viel Wasser waschen.
Nach Verbrennen und Augenverletzungen:
Nach Augenkontakt:
gen. Nach Verbrennen:
Nach Verschlucken:

Lieferantenbescheinigung
(Lieferantenschrift) 20.02.2012

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Wanheimer Str. 334-336
47055 Duisburg

Ansprechpartner: Herr Dr. Grudzielonek
Telefon: 0203 - 7786 155
Telefax: 0203 - 7786 110

Produktbezeichnung: Caramba Super - Das Original - Multifunktions-Spray
Gebindegrößen: 500ml-Aerosol, 5L, 25L, 200L
Verwendungszweck: Multifunktionsöl

Wir als Lieferant des oben genannten Produktes versichern, dass das genannte Produkt

keine organisch gebundenen Halogenverbindungen enthält. ☒

keine sonstigen halogenhaltigen Substanzen enthält, die im Abwasser AOX verursachen können. ☒

frei von organischen Komplexbildnern mit schlechterem Abbaugrad (<80% DOC-Eliminierungsgrad von 28 Tagen) ist. ☒

die Abscheidewirkung nach physikalisch-chemischem Ermessen nicht beeinträchtigt. ☒

Zusätzliche Informationen und Daten entnehmen Sie bitte dem Sicherheitsdatenblatt und dem Technischen Merkblatt des genannten Produktes. Sollten Sie weitere Fragen haben, wenden Sie sich bitte an den angegebenen Ansprechpartner.

Duisburg, den 20.02.2012

TECHNISCHES MERKBLATT

CARAMBA INTENSIV GLAS-REINIGER-SCHAUM

Reiniger-Schaum dient zur Innen- und Außenreinigung von Glas und allen anderen glatten Oberflächen.

Eigenschaften:
Reiniger-Schaum beseitigt Schmutz und organische Rückstände, Insekten, schnell wirkende Reiniger erzielt mühelos streifenfreie Oberflächen.

Im Tuch verreiben. Danach mit Leder oder fusselfreiem Textil trocken und Polycarbonat verwenden!

Schaum
Schwach nach Ammoniak

Die Anwendung ist zu beachten.
Reiniger-Schaum ist Materialverträglichkeit durchzuführen!

Angaben sind das Ergebnis unserer Erkenntnisse und Erwartungen. Wir übernehmen keine Haftung für Schäden, die aus der Anwendung unserer Produkte resultieren. Informationen ersetzen im Einzelfall keine Vorversuche.

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Komplettanbieter:
Caramba Verwaltungs-GmbH
Sitz: Duisburg
Registrierungsnummer: HRB 9162

You can download all data sheets.

www.caramba.eu

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... it works!



Handed over by:



03.2013

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