



RAILWAY

TRAINS, TRAMWAYS, METRO, BUSES - CLEANING AGENTS

About us

Cleaning products for railways



This production segment specializes in the production of degreasers, graffiti removers, insects, brake dust, pantograph conductive coatings and interior cleaners.



OUR MISSION

Removing graffiti from rail vehicles and other means of transport that are potentially a major threat to transport.





COMPARISON

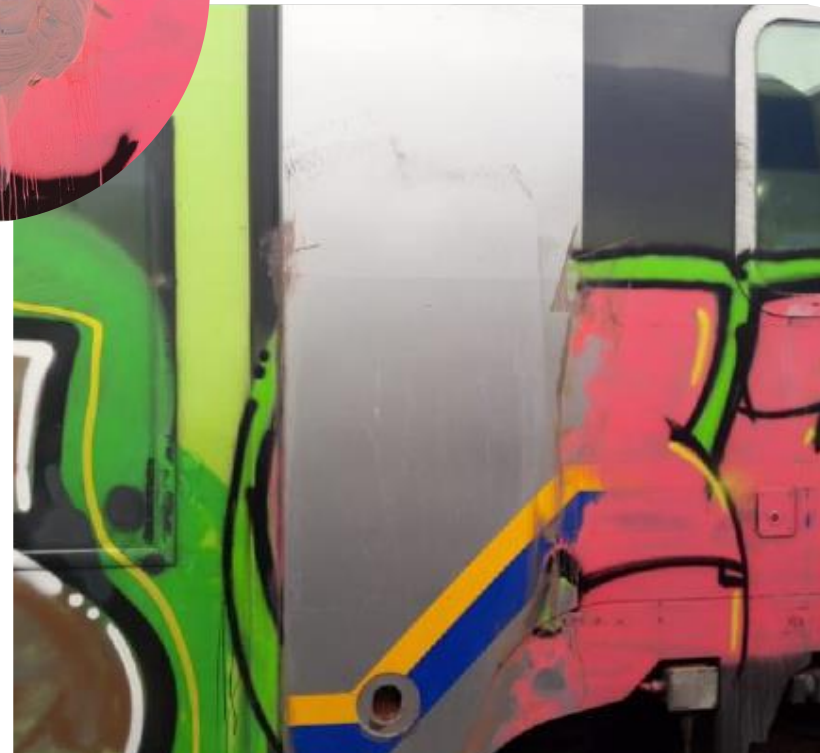
In the photos you can see a comparison of the device before and after treatment with cleaning agents.





EASY TO CLEAN

Our products are highly effective and very friendly to the environment and the personnel who use them during cleaning.



EASYLUX



Concentrated deoxidizer for cleaning and polishing aluminum and stainless steel supports, frames and profiles. EASYLUX restores vitality and shine to oxidized carriers, quickly removes scale, oxide, rust, dirt and general accumulated residues. Especially suitable for cleaning profiles, tanks, platforms, frames, steps, handles, railings, doors, partitions made of aluminum and stainless steel. METHOD OF USE AND DOSAGE: The product is supplied concentrated (recommended dilution 1:7 – 1:5 or 1:3 for extreme situations or even concentrated, pay particular attention to glass surfaces), according to the type of dirt to be removed. Spraying is not recommended. If this happens, pay close attention and always protect your hands and face with operator safety equipment. It is recommended to moisten the substrate to be cleaned with water, spread it evenly with a sponge, cloth or brush before application. The product acts by contact, but in particularly resistant situations, mechanical action can be performed using an abrasive sponge or Scotch Brite. The contact times between the treated mat and the product are fast and must be evaluated from time to time by the operator.



EASYLUX



Do not let the product dry on the treated mats. Rinse thoroughly with water. The product should not be used on crystals and please pay attention to the crystals and protect them if necessary. We emphasize that the product is provided for PROFESSIONAL USE ONLY. In case of uncertainty, it is advisable to evaluate each individual material with a test before prolonged contact. MEASURES: Avoid contact with skin and eyes, in which case rinse thoroughly with water. Follow the advice given in the safety data sheet.

Trigger: not present



01

Designation

EASYLUX - cod. T217
11kg Tank

02

Use



03

Diluit

20%



PH < 1

04

Use

Deoxidizing cleaning agent for cleaning and polishing aluminum and stainless steel.



EXPRESS PLUS



Super concentrated industrial solvent for cleaning railway wagons. Specially developed for general cleaning of the exterior of painted and film-coated electric and diesel railcars, it can also be used for deep cleaning of their interiors. It can be used in automatic washing systems or manually using brushes. It quickly and thoroughly removes dirt even at low concentrations and leaves the surface clean and shiny. The product does not contain nonylphenols and phosphates. **METHOD OF USE AND DOSAGE** Due to the high concentration, EXPRESS PLUS can be diluted with water from 5% to 15%, depending on the dirt being removed. Spray the finished solution on the surface, wait the required time and rinse with water. The product is also effective for hand washing, removes grease and sludge residues. EXPRESS PLUS leaves coated and painted surfaces very shiny. In the case of old and oxidized coatings, avoid washing them when they are hot. Avoid the solution drying on the paintwork, aluminum and copper parts. Contact times must be evaluated depending on the dirt being removed and the product thoroughly rinsed. **MEASURES** Avoid contact with eyes, follow the instructions given in the safety data sheet. **Trigger:** not present



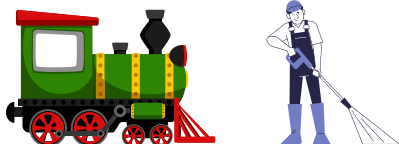
01

Designation

EXPRESS PLUS - cod. T139
10-25kg Tank

02

Use



03

Diluit

5-15%



PH 13±0,5

04

Use

Extra concentrated degreaser for external washing of railway cars.



EXPRESS CLEAN



Alkaline cleaning agent for removing heavy dirt from trucks, railway wagons, industrial floors and sails. EXPRESS CLEAN is an alkaline cleaning agent. Thanks to its strong degreasing ability, it is suitable for removing heavy dirt from the floors of industrial and mechanical workshops. Very effective, thanks to protective substances for paint, for washing buses and trucks. In the railway sector, it is used for cleaning SKY seats and for deep cleaning inside carriages. The product does not contain nonylphenols and phosphates. **METHOD OF USE AND DOSAGE:** EXPRESS CLEAN can be diluted with water from 1% to 10%. The percentage will be determined by the operator depending on the impurities to be removed. Thanks to this high concentration, the use of the product is highly economical. Spray on the surface, wait a few seconds and rinse. The product is also effective when washing by hand. Compared to other shampoos, EXPRESS CLEAN leaves surfaces very shiny. In the case of old and oxidized colors, avoid washing them in hot water. In any case, avoid letting the solution dry on the paint. **MEASURES:** Avoid contact of the product with the eyes, follow the instructions given in the safety data sheet.



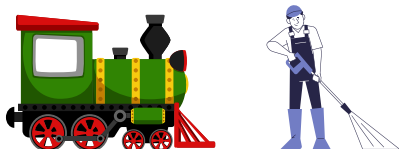
01

Designation

EXPRESS CLEAN - cod. T139
10-25kg Tank

02

Use



03

Diluit

1-10%



PH 13±0,5

04

Use

Concerted cleaning agent for external and internal washing of railway cars.



SOFT GRAF



A solution based on vegetable solvents for cleaning delicate surfaces, fabrics, walls, laminates, etc. SOFT GRAF is particularly suitable for removing graffiti from permanent markers, pens, pencils, crayons, etc. from lacquered and unlacquered metal surfaces, stainless steel, fine plastics, polycarbonates, plexiglass, road signs, laminates, walls, etc. Contact times for removal vary depending on the type of writing. The product is perfectly miscible with water, so after removing the graffiti with a damp cloth, the cleaning is complete (MVT GLASS). The product can be used with a regular sprayer or with a practical container equipped with a sponge for more rational use. METHOD OF USE AND DOSAGE Apply SOFT GRAF to the surface you want to clean with a swab or spray. Wait a few seconds, perform a light mechanical intervention with a microfiber cloth or non-abrasive sponge, remove everything with a damp cloth soaked in water or multi-purpose. In case of uncertainty, it is recommended to check the compatibility of the product on the hidden part. Product for professional use. MEASURES: Avoid eye contact. Follow the advice given in the relevant safety data sheet.

Trigger: not present



01

Designation

SOFT GRAF - cod. T71
10-25kg Tank

02

Use



03

Diluit

100%



PH 5±0,5

04

Use

Marker remover from delicate surfaces
at railway stations.



MULTI PAINT GRAF



Thanks to its specific composition, MULTI PAINT GRAF GEL is able to facilitate the removal of any type of graffiti (with any type of spray paint including colored aluminum, gold, tar, etc.) from railway wagons, both film-coated and catalyzed painted, glass and rubber profiles . It adheres perfectly to the cleaned surface, significantly supports the disintegrating and softening effect of graffiti and also achieves high efficiency. Application times can be accelerated using special sprayers. METHOD OF USE AND DOSAGE: SHAKE STRONGLY BEFORE USE! The working times of MULTI PAINT GRAF GEL are very fast thanks to its special solvents that act in depth, separating the graffiti spray paint from the substrate and significantly facilitating the removal operations. Where the stripped paint needs to be removed, a brush is used to remove the graffiti and a window stick is used to convey the residue to the hopper. At the end of the operation, to remove any product residues, rinse with a solution of water and detergent. At temperatures below +5°C, extend the contact time of the product. In case of uncertainty, it is recommended to test the product on a hidden part. MEASURES: Avoid contact of the product with the eyes, follow the instructions given in the safety data sheet



01

Designation

MULTI PAINT GRAF GEL - cod. T97
10kg Tank

02

Use



03

Diluit

100%



NA

04

Use

Solvent-based gel for removing graffiti from
railway cars (painted and foiled)



FRAME FREE



FRAME FREE is particularly suitable for removing spray paint from hard, catalyzed painted and film-coated surfaces. Very effective on aluminum frames, frosted glass and internal polycarbonate, ABS and laminate surfaces. Quickly removes inscriptions and residual traces of permanent markers from the interior walls of T.A.F., waste bins and cast iron urban furniture. The product is in gel, its special adhesion makes it easy to use and reduces consumption. METHOD OF USE AND DOSAGE: SHAKE BEFORE USE! Apply FRAME FREE as it is, by spraying with a dispenser or applying with a brush, wait a few seconds, if necessary, perform a light mechanical intervention with a brush or scotch brit without stripping the backing. Remove everything with a cloth or paper. In the case of minimal residues, repeat the procedure and leave it on for a few more minutes on the supports that have been dirty for a long time. Make sure the color is completely removed before any rinsing, repeat the removal process if necessary. MEASURES: Avoid contact with eyes, follow the instructions in the safety data sheet.

Trigger: not present



01

Designation

FRAME FREE - cod. T...
10-25kg Tank

02

Use

03

Diluití

0,2-5%



PH 6±0,5

04

Použití

...windows



SPRAY CLEAN PLUS



Spray Clean Plus is a specific adhesive acid cleaner with a high antioxidant capacity for thorough, regular and extraordinary external washing of railway carriages. Also excellent for glass and profiles. It quickly eliminates dirt accumulating on drives even at low concentrations, suitable for manual and automatic washing, removes oxidation from windows and revives aluminum parts, does not damage rubber parts. METHOD OF USE AND DOSAGE: Normal washing: use in special systems diluted from 2% to 20%. Extra wash: Apply SPRAY CLEAN PLUS diluted from 10% to 30%. Leave on for the required time, rinse. Radical washing: Apply SPRAY CLEAN PLUS diluted from 30% to 50%, leave to act for the necessary time, remove and rinse with high-pressure water. For particularly strong and resistant dirt, use a concentrated product.

Trigger: not present



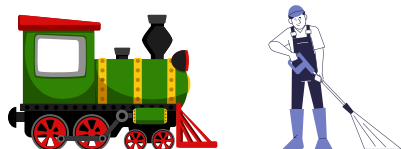
01

Designation

SPRAY CLEAN PLUS - cod. T213
10-25kg Tank

02

Use



03

Diluit

2-50%



PH 1

04

Use

Extra concentrated acid cleaner for
external washing of railway cars



SOTTOCASSA



Degreaser for undercarriages of railway rolling stock and loose parts USE: This is a product specifically intended for washing the bottoms of railway rolling stock, it can be used manually or with the appropriate equipment. Removes heavy dirt, stains, oil residues and grease. It can be used in suction with a pressure washer. The product has a disinfecting effect and a high antioxidant protective capacity. METHOD OF USE AND DOSAGE: Dilute the product with water from 2% to 10% depending on the type of intervention (normal or mechanical) and the dirt being removed. In the case of particularly stubborn dirt, it is advisable to increase the concentration of use or extend the contact time. Rinse off. MEASURES: Avoid contact with skin and eyes; in this case, rinse thoroughly with water. Follow the advice given in the relevant safety data sheet.



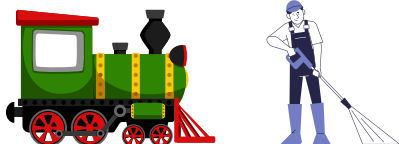
01

Designation

SOTTOCASSA - cod. T187
12-27kg Tank

02

Use



03

Diluit

2-10%



PH 13±0,5

04

Use

Degreasing cleaning agent for railway
and rolling stock and associated
undercarriage components.



RAILWAY



A highly aromatic disinfectant degreaser for cleaning surfaces and floors in general - excellent for cleaning the interiors of railway carriages, buses, trams and metros. RAILWAY is a concentrated liquid cleaner for all washable surfaces in general, with a strong degreasing effect, strong disinfecting ability, permanent deodorizing ability. Its cleaning power allows the product to be used for multiple cleaning problems, it does not leave streaks at the recommended concentrations and its disinfectant active ingredients leave a pleasant and lasting feeling of cleanliness in the environment. It is used to clean all types of surfaces and floors, both flexible and stone. The product can be used both by hand and by machine. He is an excellent maintenance man. The product does not contain substances that are toxic or irritating to the skin. Designed for cleaning the interiors of railway carriages, buses and trams. MEASURES: Avoid eye contact; in this case, rinse thoroughly with water and follow the instructions given in the relevant safety data sheet.

Trigger: not present



RAILWAY



METHOD OF USE AND DOSAGE Hand washing extremely dirty surfaces and marble, stone, screwed floors and in general: recommended dilution in water from 10% to 20% maximum. Normal Multi-Purpose: For any type of surface, including glass and/or mirrors, dilute the product in water from 1% to 5%. Multi-purpose with a strong degreasing effect: dilute the product in water from 5% to 10% RAILWAY is thermostable, the disinfection effect really increases if it is in hot water solutions from 30° to 40° C. If in doubt, check the product compatibility on the hidden part. Product for professional use.



01

Designation

RAILWAY - cod. T218
10-25kg Tank

02

Use



03

Diluit

2-15%



PH 10±0,5

04

Use

Highly aromatic disinfectant degreaser, self-drying for cleaning floors, interior glass of railway cars and many other surfaces.



GUM GUM



GUM GUM is a mixture of natural solvents with surfactants and gelling agents. It has excellent softening, disintegrating and separating properties. Especially suitable for removing chewing gum from floors, tiles, linoleum, fabrics and carpets. It quickly removes adhesive residues on car bodies and protects the paintwork. METHOD OF USE AND DOSAGE: SHAKE THOROUGHLY BEFORE USE! The gel is applied to the rubber to be removed, left to act for the necessary time (however, the effect is fast enough), using a fabric or carpet brush makes cleaning easier. Remove any residue with a damp cloth. Very effective on linoleum. Thanks to its properties, the product is excellent for removing chewing gum from railway carriages, buses, ferries, railway stations, outdoor floors in general and wherever this type of problem requires it.

Trigger: not present



01

Designation

GUM GUM - cod. T41
10kg Tank

02

Use



03

Diluit

100%



NA

04

Use

A solution based on vegetable solvents for removing gum from floors, surfaces and fabrics.



GUM GUM

"Ant graffiti foiling"

33 RIV
87 F-ERMW
9345 868-2
Uagpps

23850kg

Wack

TRADE
SEREA
CAP

SNC

100km/h

120

www.LTSnet.org

info@ltsnet.org

OUR contact



PHONE

+420 585203547



ADRESA

Bezručová 714/4
Olomouc 779 00





Thank you

FOLLOW ON OUR SOCIAL MEDIA

[@ltsnet.org](https://www.ltsnet.org)

