



Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual feature Specially

developed for high-alloy stainless steels and special materials By treating the material once, specific specifications for the removal of material thicknesses (e.g. in the aerospace or pharmaceutical sectors) can be achieved

Acid concentration



Guideline reaction time

approx. 30 min. to 360 Min.

depending on material, temperature and welding process as well as type and intensity of surface contamination



Result

metallically pure surface with uniform brightening (no so-called clouding)



fertility

ca. 4 - 6 m²/kg



Materials to be treated

high-alloy stainless steels and special materials



Recommended accessories

Surface cleaner or alkaline degreaser
Spray technology
Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with acidic cleaner (Pelox Surface Cleaner FR-D) or alkaline degreaser (Pelox Cleaning and Degreasing Agent AR 90)
- Carefully homogenize spray stain before use
- Apply with suitable spray technique (available from Pelox)
- After the pickling process, rinse the surface with clean water using a high-pressure cleaner (min. 150 bar) until pH neutrality is achieved
- Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
- Observe safety data sheet and wear personal protective equipment
- Ensure proper wastewater treatment and disposal of residual materials
- All information is non-binding - subject to change



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	liquid
Color:	colorless/red
Odor:	stinging
PH value:	<1
Density at 20 °C:	1,15 - 1,35 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H300+H310; H314; H331

May be corrosive to metals. Fatal if swallowed or in contact with skin. Causes severe skin burns and eye damage. Toxic if inhaled.

Safety instructions:

P260; P280; P303+P361+P353; P305+P351+P338; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Store locked up.

Additional hazard characteristics:

EUH071

Corrosive to the respiratory tract.

OTHER HAZARDS

No additional information is available.





Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

The lower acid concentration reduces gas emissions



Reaction time approx.

30 min. to 360 min. depending on

material, temperature and welding process as well as type and intensity of surface contamination. **Result:** metallically pure surface with even, good brightening (no so-called clouding)



Yield approx. 4 - 6 m²/

kg



Materials to be treated: all common chrome-nickel

steels



Recommended accessories

Surface cleaner or alkaline degreaser

Spray technology

Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with an acidic cleaner (Pelox surface cleaner FR-D) or alkaline degreaser (Pelox cleaning and degreasing agent AR 90) Carefully homogenize the spray stain before use Apply with a suitable spray technique (available from Pelox) After the staining process, rinse the surface with clean water using a high-pressure cleaner (at least 150 bar) until pH neutrality is achieved Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
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- Observe the safety data sheet and wear personal protective equipment. Observe proper wastewater treatment and disposal of residual materials. All information is non-binding - subject to change.
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PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	liquid
Color:	colorless/red
Odor:	biting
PH value:	<1
Density at 20 °C:	1,20 - 1,25 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic if swallowed or inhaled. Fatal in contact with skin. Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P303+P361+P353; P305+P351+P338; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Store locked up.

Additional hazard characteristics: EUH071

Corrosive to the respiratory tract.

OTHER HAZARDS

No additional information is available.





Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

Our all-rounder: Characterized by versatile application possibilities - from common chrome-nickel Steels up to higher alloyed stainless steels
Optimum reaction time even with difficult-to-treat materials

Acid concentration



Reaction time approx.
30 min. to 360 min.

Depending on the material, temperature and welding process as well as the type and intensity of surface contamination, **the result is** a metallicly pure surface with uniform,



very good
brightening (no clouding)



Yield approx. 4 - 6 m²/
kg



Materials to be treated: all common chrome-nickel steels and higher alloyed materials



Recommended accessories

Surface cleaner or alkaline degreaser
Spray technology
Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with an acidic cleaner (Pelox surface cleaner FR-D) or alkaline degreaser (Pelox cleaning and degreasing agent AR 90) Carefully homogenize the spray stain before use Apply with a suitable spray technique (available from Pelox) After the staining process, rinse the surface with clean water using a high-pressure cleaner (at least 150 bar) until pH neutrality is achieved Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
- Observe the safety data sheet and wear personal protective equipment. Observe proper wastewater treatment and disposal of residual materials. All information is non-binding - subject to change.



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	viscose
Color:	colorless/red
Odor:	biting
PH value:	<1
Density at 20 °C:	1,2 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic if swallowed or inhaled. Fatal in contact with skin.
Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P301+P330+P331; P303+P361+P353; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Store locked up.

Additional hazard characteristics:

EUH071

Corrosive to the respiratory tract.

OTHER HAZARDS

Particular risk of slipping due to leaking/spilled product.





Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

Shortened reaction time, especially for molybdenum-supported materials, through specially coordinated Acid concentrations



Response time

approx. 60 min. to 360 Min.
depending on material, temperature and welding process as well as type and intensity of surface contamination



Result

metallically pure surface with uniform, clear brightening (no so-called clouding)



fertility

ca. 4 - 6 m²/kg



Materials to be treated

Molybdenum-supported materials



Recommended accessories

Surface cleaner or alkaline degreaser
Spray technology
Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with acidic cleaner (Pelox Surface Cleaner FR-D) or alkaline degreaser (Pelox Cleaning and Degreasing Agent AR 90)
- Carefully homogenize spray stain before use
- Apply with suitable spray technique (available from Pelox)
- After the pickling process, rinse the surface with clean water using a high-pressure cleaner (min. 150 bar) until pH neutrality is achieved
- Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
- Observe safety data sheet and wear personal protective equipment
- Ensure proper wastewater treatment and disposal of residual materials
- All information is non-binding - subject to change



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	liquid
Color:	colorless/red
Odor:	biting
PH value:	<1
Density at 20 °C:	1,20 - 1,25 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic if swallowed or inhaled. Fatal in contact with skin. Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P303+P361+P353; P305+P351+P338; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Store locked up.

Additional hazard characteristics:

EUH071

Corrosive to the respiratory tract.

OTHER HAZARDS

No additional information is available.





Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

Particularly suitable for higher alloyed materials due to specially adjusted acid concentrations



Reaction time approx.
60 min. to 360 min. depending on
material, temperature and welding process as well as type and intensity
of surface contamination. **Result:** metallically pure surface with uniform
brightening (no so-called
clouding)



Yield approx. 4 - 6 m²/
kg



Materials to be treated Higher alloyed materials



Recommended accessories
Surface cleaner or alkaline degreaser
Spray technology
Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with an acidic cleaner (Pelox surface cleaner FR-D) or alkaline degreaser (Pelox cleaning and degreasing agent AR 90) Carefully homogenize the spray stain before use Apply with a suitable spray technique (available from Pelox) After the staining process, rinse the surface with clean water using a high-pressure cleaner (at least 150 bar) until pH neutrality is achieved Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
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- Observe the safety data sheet and wear personal protective equipment. Observe proper wastewater treatment and disposal of residual materials. All information is non-binding - subject to change.
-



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	structural
Color:	colorless/red
Odor:	stinging
PH value:	<1
Density at 20 °C:	1,2 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic if swallowed or inhaled. Fatal in contact with skin. Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P303+P361+P353; P305+P351+P338; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Store locked up.

Additional hazard characteristics:

EUH071

Corrosive to the respiratory tract.

OTHER HAZARDS

No additional information is available.





Application/product description

Treatment of stainless steel surfaces and welds
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

Specially developed for high-alloy stainless steels and special materials
Strong pickling power, suitable for treating heavy scaling and annealed surfaces

Acid concentration



Reaction time approx.

60 min. to 360 min. depending on

material, temperature and welding process as well as type and intensity of surface contamination. **Result:** metallically pure surface with uniform brightening (no so-called

clouding)



Yield approx. 4 - 6 m²/

kg



Materials to be treated: high-alloy stainless steels

and special materials



Recommended accessories

Surface cleaner or alkaline degreaser

Spray technology

Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with an acidic cleaner (Pelox surface cleaner FR-D) or alkaline degreaser (Pelox cleaning and degreasing agent AR 90) Carefully homogenize the spray stain before use Apply with a suitable spray technique (available from Pelox) After the staining process, rinse the surface with clean water using a high-pressure cleaner (at least 150 bar) until pH neutrality is achieved Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)

- Observe the safety data sheet and wear personal protective equipment. Observe proper wastewater treatment and disposal of residual materials. All information is non-binding - subject to change.



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	viscose
Color:	colorless/red
Odor:	stinging
PH value:	<1
Density at 20 °C:	1,15 - 1,35 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H301+H331; H310; H314

May be corrosive to metals. Toxic if swallowed or inhaled. Fatal in contact with skin.
Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P303+P361+P353; P305+P351+P338; P310; P405

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Store locked up.

OTHER HAZARDS

No additional information is available.





Application/product description

Treatment of surfaces and welds made of stainless steel or titanium surfaces
Efficient and economical application due to long, reactive wet phase
Removes tarnish, scaling and foreign contaminants in one step
Available in transparent and red

Individual characteristic

Specially developed for the treatment of cold-rolled and ground stainless steel surfaces
The lower acid concentration reduces gas emissions
Taking into account the material and the reaction time, there is a barely visible change in the Surface structure and only slight brightening of the treated surface
Particularly suitable for visible construction areas

Acid concentration



Reaction time approx.

30 min. to 360 min. depending

on material, temperature and welding process as well as type and intensity of surface contamination. **Result:** metallically pure surface with even, slight



brightening
(no so-called clouding)



Yield approx. 4 - 6
m²/kg



Materials to be treated: all common chrome-nickel steels, cold-rolled and ground stainless steel surfaces
Titanium surfaces



Recommended accessories

Surface cleaner or alkaline degreaser
Spray technology
Personal protective equipment

General instructions for use

- The respective product must be tested for suitability before use (pre-test)
- Remove dirt, grease or oil residues before treatment with an acidic cleaner (Pelox surface cleaner FR-D) or alkaline degreaser (Pelox cleaning and degreasing agent AR 90) Carefully homogenize the spray stain before use Apply with a suitable spray technique (available from Pelox) After the staining process, rinse the surface with clean water using a high-pressure cleaner (at least 150 bar) until pH neutrality is achieved Avoid direct sunlight and high ambient temperatures (recommended storage and processing temperature: 5 – 25 °C)
- Observe the safety data sheet and wear personal protective equipment. Observe proper wastewater treatment and disposal of residual materials. All information is non-binding - subject to change.



PHYSICAL AND CHEMICAL PROPERTIES

State of aggregation:	fluid
Form:	viscose
Color:	colorless/red
Odor:	biting
PH value:	<1
Density at 20 °C:	1,20 - 1,25 g/cm ³

LABELLING ACCORDING TO REGULATION (EC) NO. 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:	GHS05 GHS06
Signal word:	Danger
Hazardous components:	Hydrofluoric acid nitric acid Tetrafluoroboric acid



DANGER AND SAFETY INFORMATION

Hazard warnings:

H290; H302+H332; H311; H314

May be corrosive to metals. Harmful if swallowed or inhaled. Toxic in contact with skin. Causes severe skin burns and eye damage.

Safety instructions:

P260; P280; P301+P330+P331; P303+P361+P353; P304+P340; P305+P351+P338

Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.

OTHER HAZARDS

Particular risk of slipping due to leaking/spilled product.

