



LUSIN® RANGE OF PRODUCTS

MOULD MAINTENANCE

- Cleaners & Degreasers
- Mould Protectants (Anticorrosion)
- Lubricants
- Preform and bottle coating

RELEASE AGENTS

INDEX



MOULD CLEANERS & DEGREASERS 3

Lusin® MC1718	5
Lusin® Clean L 23 F	6
Lusin® Clean L 101 F	7
Lusin® Clean L 11	8
Lusin® Clean L 52 F	9
Lusin® Clean L 51	10

MOULD PROTECTANTS 11

Lusin® Protect G 11	13
Lusin® Protect G 12	14
Lusin® Protect O 45 F	15
Lusin® Protect G 31	16
Lusin® Protect G 32	17
Lusin® Protect G 31 F	18
Lusin® Protect O 41	19

LUBRICANTS 20

Lusin® Lub PZO 152	22
Lusin® Lub PM 1001	23

PREFORM & BOTTLE COATING 24

Lusin® Lub O 32 F	26
-------------------	----

Lusin® Lub O 34 F	27
-------------------	----

Lusin® CA1400F	28
----------------	----

RELEASE AGENTS 29

Lusin® Alro OL 151	31
--------------------	----

Lusin® Alro OL 141	32
--------------------	----

Lusin® Alro OL 202 F	33
----------------------	----

Lusin® Alro OL 153 S	34
----------------------	----

Lusin® Alro OL 201 S	35
----------------------	----



PURGE COLOUR IN LESS TIME.

Learn more about our Ultra Purge™ range of purging compounds.

[Request your free sample.](#)



A Complete Solution for Greater Efficiency

For even greater efficiency and cost effectiveness, many of Chem-Trend's maintenance solutions and release agents offer multiple benefits in one product. And when used as a complete system, Lusin® mould maintenance products are designed to enhance the power of each product. As part of a regular maintenance routine, the combination of Lusin® cleaners, lubricants and mould protectants delivers maximum benefits.



LUSIN[®] MOULD CLEANERS & DEGREASERS

MOULD CLEANERS & DEGREASERS



Cleaning Agents and Degreasers Powerfully Attack Buildup

Over time, contaminants can accumulate on mould surfaces, causing defective parts and damage to the mould. Lusin® cleaning agents and degreasers safely and effectively remove resins, colours, additives, waxes, oils, grease and most types of polymer residues for better surface quality and improved start-up procedures. Available in aerosol cans for precise spray applications.

● highly recommended

	Non-flammable aerosol	NSF registered	Cleaning agent	Degreaser
Lusin® MC1718			●	
Lusin® Clean L 23 F		●	●	
Lusin® Clean L 101 F	●	●	●	
Lusin® Clean L 11				●
Lusin® Clean L 52 F		●		●
Lusin® Clean L 51				●



LUSIN® MC1718 (Spray)

Mould Cleaner



Benefits

- Aerosol with a high spray rate
- Cleans thoroughly
- Rapid cleaning effect

Description

Mould cleaner based on organic solvents. Lusin® MC1718 (Spray) is a mould cleaner especially formulated to remove tenacious polymers and deposits from metal surfaces.

Typical Properties

Mould cleaner based on organic solvents. Lusin® MC1718 (Spray) is a mould cleaner especially formulated to remove tenacious polymers and deposits from metal surfaces.

Application

Apply Lusin® MC1718 (Spray) on contaminated mould cavities. Allow the product to react. Remove by producing parts or manual removing with a clean cloth.

Following few parts will show affects on surface quality. If required, the procedure can be repeated several times at increased temperatures and longer reaction time.

Caution: Lusin® MC1718 (Spray) will potentially degrade plastic and painted surfaces.

In case of production stoppage, after having cleaned the surface with Lusin® MC1718 (Spray), an anti-corrosion agent like Lusin® Protect G 11 or Lusin® Protect G 31 should be applied. Shake well before use.

Packaging

Lusin® MC1718 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

[Click to
Read our
Case Study](#)

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CLEAN L 23 F (Spray)

Mould Cleaner



Benefits

- Aerosol with a high spray rate
- Cleans thoroughly
- Rapid cleaning effect

Description

Mould cleaner based on organic solvents. Lusin® Clean L 23 F (Spray) is a mould cleaner especially formulated to remove tenacious polymers and deposits from metal surfaces.

NSF registered, conforms to listing requirements A1 and K3.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Apply Lusin® Clean L 23 F (Spray) on contaminated mould cavities. Allow the product to react. Remove by producing parts or manual removing with a clean cloth.

Following few parts will show affects on surface quality. If required, the procedure can be repeated several times at increased temperatures and longer reaction time.

Caution: The product will potentially degrade plastic and painted surfaces.

In case of production stoppage, after having cleaned the surface with Lusin® Clean L 23 F (Spray), an anti-corrosion agent like Lusin® Protect O 45 F or Lusin® Protect G 31 F should be applied.

Shake well before use.

Packaging

Lusin® Clean L 23 F (Spray) is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CLEAN L 101 F (Spray)

Mould Cleaner



Benefits

- Removes oil, grease and wax deposits
- Aerosol with a high spray rate
- Cleans thoroughly
- Non-flammable

Description

Mould cleaner based on organic solvents. Lusin® Clean L 101 F (Spray) is a mould cleaner especially formulated to remove tenacious polymers and deposits from metal surfaces. The product is non-flammable.

NSF registered, conforms to listing requirements K1 and K3.

Typical Properties

Appearance: Colorless liquid.
Flash point > 100°C / 212°F.

These are typical values and should not be used to set specifications.

Application

Apply Lusin® Clean L 101 F (Spray) on contaminated mold cavities. Allow the product to react. Remove by producing parts or manual removing with a clean cloth.

Following few parts will show affects on surface quality. If required, the procedure can be repeated several times at increased temperatures and longer reaction time.

Due to the use of nonflammable propellants, spray rate and spray pattern of the aerosol may change slightly during application. The product does not affect sealings made of Poly-Chloroprene, EthylenePropylene, Perfluorelastomers, Fluorinated Hydrocarbon, Polytetrafluorethylene and Polysiloxane except Viton.

Lusin® Clean L 101 F (Spray) should not come into contact with sealings made of Butadiene Acrylonitrile and Polyurethane.

Caution: The Mould Cleaner will potentially degrade plastic and painted surfaces.

In case of production stoppage, after having cleaned the surface with Lusin® Clean L 101 F (Spray), an anticorrosion agent like Lusin® Protect O 45 F or Lusin® Protect G 31 F should be applied.

Shake well before use.

Packaging

Lusin® Clean L 101 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CLEAN L 11 (Spray)

Degreaser



Benefits

- Removes polymer residues
- Degreases thoroughly
- Excellent release effect
- Rapid cleaning effect
- Safe for thermoplastic and rubber parts

Description

Degreaser based on organic solvents. Lusin® Clean L 11 (Spray) removes oils, greases and waxes from metal and plastic surfaces. Evaporation of this degreaser is fast.

Typical Properties

Appearance of the active ingredient after evaporation: Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Lusin® Clean L 11 (Spray) is suitable for the removal of oil, grease and wax deposits on plastic and metal surfaces. It can also be used to degrease contaminated plastic parts.

The product dissolves contaminants immediately, surface can then be wiped with a clean cloth.

In case of production stoppage, after having cleaned the surface with Lusin® Clean L 11 (Spray), an anti-corrosion agent like Lusin® Protect G 11 or Lusin® Protect G 31 should be applied. Shake well before use.

Packaging

Lusin® Clean L 11 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CLEAN L 52 F (Spray)

Degreaser



Benefits

- Removes polymer residues
- Degreases thoroughly
- Rapid cleaning effect

Description

Degreaser based on organic solvents. Lusin® Clean L 52 F (Spray) removes oils, greases and waxes from metal and plastic surfaces. Evaporation of this degreaser is medium.

NSF registered, conforms to listing requirements K1 and K3.

Typical Properties

Appearance of the active ingredient after evaporation: Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Lusin® Clean L 52 F (Spray) is suitable for the removal of oil, grease and wax deposits on plastic and metal surfaces. It can also be used to degrease contaminated plastic parts. The product dissolves contaminants immediately, surface can then be wiped with a clean cloth.

In case of production stoppage, after having cleaned the surface with Lusin® Clean L 52 F (Spray), an anti-corrosion agent like Lusin® Protect O 45 F or Lusin® Protect G 31 F should be applied. Shake well before use.

Packaging

Lusin® Clean L 52 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CLEAN L 51 (Spray)

Degreaser



Benefits

- Removes polymer residues
- Degreases thoroughly
- Rapid cleaning effect

Description

Degreaser based on organic solvents. Lusin® Clean L 51 (Spray) removes oils, greases and waxes from metal and plastic surfaces. Evaporation of this degreaser is medium.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Lusin® Clean L 51 (Spray) is suitable for the removal of oil, grease and wax deposits on plastic and metal surfaces. It can also be used to degrease contaminated plastic parts.

The product dissolves contaminants immediately, surface can then be wiped with a clean cloth.

In case of production stoppage, after having cleaned the surface with Lusin® Clean L 51 (Spray), an anti-corrosion agent like Lusin® Protect G 11 or Lusin® Protect G 31 should be applied. Shake well before use.

Packaging

Lusin® Clean L 51 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.



LUSIN® MOULD PROTECTANTS





MOULD PROTECTANTS

Mould Protectants for Extended Equipment Life

Easy-to-apply Lusin® mould protectants provide a barrier on metal surfaces from water, oxygen and other corrosive agents, keeping your equipment clean and running efficiently. Tinted formulas show where the mould protectant has been applied. Mould protectants also act as a release agent for early shots and are removed during the production process, optimising productivity. Maximum benefits are gained when Lusin® mould protectants are used together with Lusin® cleaners and degreasers as part of a regular maintenance cycle.

● highly recommended ● recommended ○ suitable

Lusin® Protect G 11/G 12*

Lusin® Protect O 45 F

Lusin® Protect G 31/G 32*

Lusin® Protect G 31 F

Lusin® Protect O 41

	NSF registered	Rust remover	Anticorrosion	Long-term durability
Lusin® Protect G 11/G 12*			●	○
Lusin® Protect O 45 F	●	○	●	○
Lusin® Protect G 31/G 32*			●	●
Lusin® Protect G 31 F	●		●	●
Lusin® Protect O 41		●	○	○

* tinted red for enhanced application visibility



LUSIN® PROTECT G 11 (Spray)

Mould Protectant



Benefits

- Transparent protection film
- Suitable for a wide mold temperature range
- Repels moisture

Description

Lusin® Protect G 11 (Spray) is a grease based anti-corrosion agent that penetrates into fine cracks and corners. The product is resistant to low temperatures and does not drip.

Typical Properties

Appearance of the active ingredient after evaporation:

Colorless liquid.

Stable transparent oily film.

Corrosion Test Norm

DIN 50017

DIN 50021

DIN EN ISO 9227

Corrosion Test Hours

10

5

24

Application

Before applying Lusin® Protect G 11 (Spray), it is recommended using Lusin® MC1718 as a mould cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts. The mould protectant can be removed by using Lusin® Clean L 11 or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect G 11 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT G 12 (Spray)

Mould Protectant



Benefits

- Colored protection film
- Suitable for a wide mould temperature range
- Repels moisture

Description

Lusin® Protect G 12 (Spray) is a grease based anti-corrosion agent that penetrates into fine cracks and corners. The product is resistant to low temperatures and does not drip.

Typical Properties

Appearance of the active ingredient after evaporation:

Red liquid.

Stable red oily film.

Corrosion Test Norm

DIN 50017

DIN 50021

DIN EN ISO 9227

Corrosion Test Hours

10

5

24

Application

Before applying Lusin® Protect G 12 (Spray), it is recommended using Lusin® MC1718 as a mould cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts. The mould protectant can be removed by using Lusin® Clean L 11 or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect G 12 (Spray) is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT O 45 F (Spray)

Mould Protectant



Benefits

- Transparent protection film
- Repels moisture

Description

The product is a grease based anti-corrosion agent that penetrates into fine cracks and corners. The Mould Protect is resistant to low temperatures and does not drip.

NSF registered, conforms to listing requirements H1.

Typical Properties

Appearance of the active ingredient after evaporation:

Colorless liquid.

Stable transparent oily film.

Corrosion Test Norm

DIN 50017

DIN 50021

DIN EN ISO 9227

Corrosion Test Hours

40

50

<24

Application

Before applying Lusin® Protect O 45 F (Spray), it is recommended using Lusin® Clean L 23 F as a mould cleaning agent or Lusin® Clean L 52 F as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts.

The mould protectant can be removed by using Lusin® Clean L 52 F or by producing parts.

The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect O 45 F is available in a variety of package sizes.

Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT G 31 (Spray)

Mould Protectant



Benefits

- Long lasting protection against corrosion
- Visible protection film
- Visible under UV light
- Handling of protected parts won't affect anti-corrosion properties
- Easy to remove

Description

Wax-based anti-corrosion and lubricating agent. Lusin® Protect G 31 (Spray) is an efficient anti-corrosion agent that also shows lubricating properties. The wax-based protective film is resistant to handling and starts melting at around 50°C / 122°F. The product can be visible under UV light (maximum at 365 nm).

Typical Properties

Appearance of the active ingredient after evaporation:

Colorless liquid.

Stable white waxy film.

Corrosion Test Norm

DIN 50017

DIN EN ISO 9227

Corrosion Test Hours

20

28

Application

Before applying Lusin® Protect G 31 (Spray), it is recommended using Lusin® MC1718 as a mould cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts.

The mould protectant can be removed by using Lusin® Clean L 11 or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect G 31 (Spray) is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT G 32 (Spray)

Mould Protectant



Benefits

- Long lasting protection against corrosion
- Colored protection film
- Easy to remove

Description

Wax-based anti-corrosion and lubricating agent. Lusin® Protect G 32 (Spray) is an efficient anti-corrosion agent that also shows lubricating properties. The wax-based protective film is resistant to handling and starts melting at around 50°C / 122°F.

Typical Properties

Appearance of the active ingredient after evaporation:

Red liquid.

Stable red waxy film.

Corrosion Test Norm

DIN 50017

DIN EN ISO 9227

Corrosion Test Hours

20

28

Application

Before applying Lusin® Protect G 32 (Spray), it is recommended using Lusin® MC1718 as a mould cleaning agent or Lusin® Clean L 11 as a de-greasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts.

Lusin® Protect G 32 (Spray) can be removed by using Lusin® Clean L 11 or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect G 32 (Spray) is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT G 31 F (Spray)

Mould Protectant



Benefits

- Long lasting protection against corrosion
- Visible protection film
- Handling of protected parts won't affect anti-corrosion properties
- Easy to remove

Description

Wax-based anti-corrosion and lubricating agent. Lusin® Protect G 31 F (Spray) is an efficient anti-corrosion agent that also shows lubricating properties. The wax-based protective film is resistant to handling and starts melting at around 42°C / 108°F.

NSF registered, conforms to listing requirements H1.

Typical Properties

Appearance of the active ingredient after evaporation:

Colorless liquid.

Stable white waxy film.

Corrosion Test Norm

DIN EN ISO 9227

Corrosion Test Hours

150

Application

Before applying Lusin® Protect G 31 F (Spray), it is recommended using Lusin® Clean L 23 F as a mold cleaning agent or Lusin® Clean L 52 F as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts.

The mold protectant can be removed by using Lusin® Clean L 52 F or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect G 31 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® PROTECT O 41 (Spray)

Mold Protectant



Benefits

- Multi-purpose mold maintenance product
- Repels moisture

Description

High performance spray oil. Lusin® Protect O 41 (Spray) is an oil-based multi purpose product that penetrates into very fine cracks and corners. It serves as a lubricant and anti-corrosion agent. Due to the rust removing functionality, it will loosen corrosion and corroded parts.

Typical Properties

Appearance of the active ingredient after evaporation:

Colorless liquid.

Stable transparent oily film.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Protect O 41 (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product shows maximum anti-corrosion properties when applied on dry and clean metal surfaces in several thin layers. Special attention should be taken to cover edges and undercuts.

Lusin® Protect O 41 (Spray) can be removed by using Lusin® Clean L 11 or by producing parts. The anti-corrosion agent will transfer and self evacuate onto produced parts. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended.

Shake well before use.

Packaging

Lusin® Protect O 41 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.



LUSIN[®] LUBRICANTS



LUSIN® LUBRICANTS



Lubricants for Performance under Extreme Pressure

Lusin® lubricants are developed specially for ejector pins and core slides in plastic injection moulding applications. Heavy-duty lubricating film keeps mechanical parts moving and prevents the breakage and seizing of ejector pins, while avoiding transfer of the lubricant to the final part. Lusin® lubricants protect equipment from dangerous corrosion.

● highly recommended ○ recommended

Lusin® Lub PZO 152

Lusin® Lub PM 1001

NSF registered

10/2011 compliance

Anticorrosion

Long-term durability

Lubricant for ejector pins

High-temperature lubricant
(>1.000°C/ 1832°F)



B) Lubricating built-in mould

LUSIN® LUB PZO 152 (Spray)

Lubricant



Benefits

- Long-term lubrication
- Resistant to high pressure
- Protects against corrosion

Description

Special lubricating and assembly paste. Lusin® Lub PZO 152 (Spray) is a lubricant especially developed for moving parts in moulds. It is resistant to high pressure and protects against corrosion and fretting corrosion. It prevents stick slip and is resistant to hot water and corrosive gases that occur during the processing of polymers. It spreads easily and shows reliable adhesion to the friction point. The Lubricant is suitable for application temperatures (mould temperatures) up to 150°C / 302°F.

Shake well before use.

Typical Properties

Appearance of the active ingredient after evaporation:
White paste.

Approximate density of the active ingredient after evaporation at
20°C / 68°F : 1.35 g/ml.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Lub PZO 152 (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product can be used for maintenance and repair purposes, especially for sliding surfaces (low-to-medium sliding speeds), for applications where there might be stick slip and for applications under high static and dynamic loads. Applied correctly, Lusin® Lub PZO 152 (Spray) does not migrate onto the demoulded part. Lusin® Lub PZO 152 (Spray) can be removed with Lusin® Clean L 11.

Shake well before use.

Packaging

Lusin® Lub PZO 152 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® LUB PM 1001 (Spray)

Lubricant



Benefits

- Long-term lubrication
- Resistant to high pressure
- Thermally conductive
- Resistant to high temperatures

Description

High temperature paste with synthetic base oil. Lusin® Lub PM 1001 (Spray) is a high-temperature lubricating and assembly paste with a synthetic base oil and a combination of inorganic solid lubricants. It is thermally conductive and prevents seizure. The Lubricant is suitable for application temperatures (mold temperatures) up to 1,000°C / 1,832°F.

Typical Properties

Appearance of the active ingredient after evaporation:
Grey paste.

Approximate density of the active ingredient after evaporation at
20°C / 68°F : 1.30 g/ml.

These are typical values and should not be used to set specifications.

Application

Lusin® Lub PM 1001 (Spray) can be used as a mounting paste for bolts and screw connections subjected to high temperatures and pressures (eg. nozzles, barrel heater mounts, extrusion die bolts, etc.). Before applying the product, it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. Lusin® Lub PM 1001 (Spray) can be removed with Lusin® Clean L 11.

Shake well before use.

Packaging

Lusin® Lub PM 1001 (Spray) is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.



LUSIN[®] PREFORM & BOTTLE COATING

LUSIN® PREFORM & BOTTLE COATING



Process aid for several steps in the PET bottle manufacturing process

A PET preform is a test tube shaped piece of plastic made by injection molding process and is the first stage of PET bottle production. Preforms are typically produced to save the cost of shipping empty bottles, or warehousing them, as blown bottles take up significantly more space than a preform.

Lubricants are often applied to the exterior of preforms due to the handling and production challenges that come with the use of PET resin due to its high shear rate property.

● highly recommended ○ recommended

Lusin® Lub O 32 F

● ● ●

Lusin® Lub O 34 F

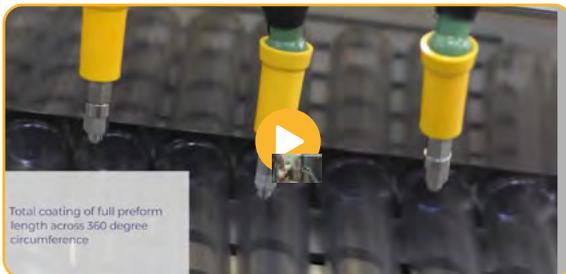
●

NSF registered
10/2011 compliance
Lubricant

● highly recommended

Lusin® CA1400F

● ●
Cleaning agent
Silicone free



LUSIN[®] LUB O 32 F

Specialty Product Lubricant



Benefits

- Can be removed with water
- Solvent free
- 100% active ingredient
- Environmentally conscious

Description

Lubricating agent with 100% active ingredient. The film of product, applied to the outside surface of PET preform or PET bottles, reduces the potential risk of scratches to the plastic surfaces that occurs during transport and handling to an absolute minimum. Furthermore, it prevents blocking of bottles during transportation via conveyor systems.

All components of the formulation of Lusin[®] Lub O 32 F are in compliance with:
Brazilian legislation (ANVISA) RDC 326/19,
Chinese Regulation GB 9685-2016 and GB 2760-2014,
EU Regulation No 10/2011,
South American legislation MERCOSUR/GMC Resolution 39/19 and
US-American legislation for food contact materials (21 CFR).

Typical Properties

Appearance: Yellow liquid.

Approximate density at room temperature: 0.98 - 1.02 g/ml.

Viscosity at room temperature: 160 - 235 mPas.

These are typical values and should not be used to set specifications.

Application

In terms of lubrication of the outside surface of PET preforms, Lusin[®] Lub O 32 F should be applied using suitable spray equipment (e.g. Steidle PIC system). Lusin[®] Lub O 32 F in contact with water (even tiny levels of impurity) in the machinery and especially in the tubes will cause agglomerates that will block the system. These agglomerates can be easily removed with Lusin[®] CA1400F. For the cleaning of the reservoir and/or transfer tubes, it is recommended using Lusin[®] CA1400F with a cleaning cycle of every three months. The recommended cleaner for Lusin[®] Lub O 32 F is Lusin[®] CA1400F. The quantity to be used is approximately 10 times the volume of the tubes.

Packaging

Lusin[®] Lub O 32 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

[Click to Read
Case Study](#)

[Click to Read
Technical Article](#)

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN[®] LUB O 34 F

Specialty Product Lubricant

Benefits

- Silicone free
- Solvent free
- 100% active ingredient
- Environmentally conscious

Description

Lubricating agent with 100% active ingredient. The film of product, applied to the outside surface of PET preform or PET bottles, reduces the potential risk of scratches to the plastic surfaces that occurs during transport and handling to an absolute minimum. Furthermore, it prevents blocking of bottles during transportation via conveyor systems.

All components of the formulation of Lusin[®] Lub O 34 F are in compliance with:

Brazilian legislation (ANVISA) RDC 326/19,
Chinese Regulation GB 9685-2016 and GB 2760-2014,
EU Regulation No 10/2011,
South American legislation MERCOSUR/GMC Resolution 39/19 and
US-American legislation for food contact materials (21 CFR).

Typical Properties

Appearance: Colorless liquid.

Approximate density at room temperature: 0.89 - 1.02 g/ml.
Viscosity at room temperature: 150 - 250 mPas.

These are typical values and should not be used to set specifications.

Application

In terms of lubrication of the outside surface of PET preforms, 25% Lusin[®] Lub O 34 F should be diluted with 75% deionized water. The mixture should be stirred continuously. The product can be applied with spray systems or other suitable devices.

Packaging

Lusin[®] Lub O 34 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® CA1400F

Specialty Product Cleaning Agent

Benefits

- Silicone free
- 100% active ingredient

Description

The product is formulated for the cleaning of spray equipment applying Lusin® Lub O 32 F or Lusin® LU1901F (e.g. Process Integrated Coating system provided by company Steidle).

All components of the formulation of Lusin® CA1400F are in compliance with:

EU Regulation No 10/2011 and

US-American legislation for food contact materials (21 CFR).

Typical Properties

Appearance: Colorless liquid.

Approximate density at 25°C / 77°F: 1.10 - 1.20 g/ml.

These are typical values and should not be used to set specifications.

Application

We recommend leaving Lusin® CA1400F in the spray equipment only during the duration of a short cleaning cycle. It should not be left in the equipment longer than necessary.

The product is compatible with: PA6, PA6.6, POM and PP.

Detailed information about the cleaning process is available in the Cleaning Instructions Manual of the spray equipment manufacturer.

Packaging

Lusin® CA1400F is available in a variety of package sizes.

Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.



LUSIN[®] RELEASE AGENTS





LUSIN® ALRO

Lusin® Release Agents: A Reputation for Success.

Our superior products are rooted in our manufacturing and technical expertise, understanding of thermoplastic processing operations, deep industry insight and specialized laboratory resources.

Product		NSF registered	10/2011 compliant	Polyolefins	PS	SAN, ABS, ASA	PVC	PTFE, PVDF	PMMA	POM	PA6, PA66, PA610, PA11, PA12	PC	PET, PBT	PPO, PEEK, PPS, PES, PSU	CA, CAB, CP	TPU	Temperature range 150°C/302°F	Temperature range 200-300°C/392-572°F
Silicone-free	Lusin® Alro OL 151			●	●		●	●	●	●	●		●		●	●	●	
	Lusin® Alro OL 141			○	○	●			○	○		●					●	
	Lusin® Alro OL 202 F	●	●	●	●		●		●	●	●		●	●	●	●	●	●
Silicone-based	Lusin® Alro OL 153 S			●	●		●	●	●	●	●		●			●	●	
	Lusin® Alro OL 201 S			●	●		●	●		●	●		●		●	●		●



● highly recommended ○ suitable

NOTES: Not all products are available in all regions of the world.
Due to occasional changes in offerings, product specifications may vary.
Please consult with your local representative to assure the most up-to-date information.

LUSIN® ALRO OL 151 (Spray)

Release Agent



Benefits

- Silicone free
- Multi-purpose release agent
- Can be removed with water

Description

Lusin® Alro OL 151 (Spray) is a universal silicone free release agent. The product is suitable for application temperatures (mould temperatures) up to 150°C / 302°F.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Alro OL 151 (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended. The product must be applied on a clean metal surface, sprayed in thin and even layers. Special attention should be given to edges and undercuts.

Shake well before use.

Packaging

Lusin® Alro OL 151 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® ALRO OL 141 (Spray)

Release Agent



Benefits

- Silicone free
- Recommended for stress crack sensitive polymers like
- PC and PMMA

Description

Lusin® Alro OL 141 (Spray) is a universal silicone free release agent. The product is mainly recommended as a release agent for stress cracking sensitive polymers like PC, PC blends, PMMA and ABS. The Release Agent is suitable for application temperatures (mold temperatures) up to 140°C / 284°F.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Alro OL 141 (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. If subsequent treatment of the parts is required, e.g. metal coating, lacquering, etc., preliminary tests are recommended. The product must be applied on a clean metal surface, sprayed in thin and even layers. Special attention should be given to edges and undercuts.

Shake well before use.

Packaging

Lusin® Alro OL 141 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® ALRO OL 202 F (Spray)

Release Agent



Benefits

- Silicone free
- Can be removed with water

Description

The product is a universal silicone-free release agent. It is also suitable as a lubricating agent with improved anti-friction properties. The Release Agent is suitable for application temperatures (mold temperatures) up to 200°C / 392°F.

NSF registered, conforms to listing requirements H1.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Alro OL 202 F (Spray), it is recommended using Lusin® Clean L 23 F as a mold cleaning agent or Lusin® Clean L 52 F as a degreasing agent. The product must be applied on a clean metal surface, sprayed in thin and even layers. Special attention should be given to edges and undercuts.

Shake well before use.

Packaging

Lusin® Alro OL 202 F is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® ALRO OL 153 S (Spray)

Release Agent



Benefits

- Multi-purpose release agent

Description

Lusin® Alro OL 153 S (Spray) is a universal silicone based release agent. It is also suitable as a lubricating agent with improved anti-friction properties. The Release Agent is suitable for application temperatures (mold temperatures) up to 150°C / 302°F.

Typical Properties

Appearance of the active ingredient: Liquid, colourless

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Alro OL 153 S (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product must be applied on a clean metal surface, sprayed in thin and even layers. Special attention should be given to edges and undercuts. In case of post treatment of the parts, the use of the Release Agent is not recommended.

Shake well before use.

Packaging

Lusin® Alro OL 153 S is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.

LUSIN® ALRO OL 201 S (Spray)

Release Agent



Benefits

- Multi-purpose release agent

Description

Lusin® Alro OL 201 S (Spray) is a universal silicone based release agent. The Release Agent is suitable for application temperatures (mold temperatures) up to 200°C / 392°F.

Typical Properties

Appearance of the active ingredient after evaporation:
Colorless liquid.

These are typical values and should not be used to set specifications.

Application

Before applying Lusin® Alro OL 201 S (Spray), it is recommended using Lusin® MC1718 as a mold cleaning agent or Lusin® Clean L 11 as a degreasing agent. The product must be applied on a clean metal surface, sprayed in thin and even layers. Special attention should be given to edges and undercuts. In case of post treatment of the parts, the use of the Release Agent is not recommended.

Shake well before use.

Packaging

Lusin® Alro OL 201 S is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

Legal Notice

The technical information and suggestions for use contained herein are based on our general experience and knowledge at the time of publication and are intended to give information of possible applications to a professional with technical experience. It does not release the customer from the obligation of performing their own tests with the product selected for a specific application. While the information and suggestions are believed to be accurate and reliable, nothing stated in this document is to be taken as a warranty either expressed or implied.



**Chem
Trend**

Release Innovation™



Chem-Trend (Deutschland) GmbH
European Headquarters
Ganghoferstr. 47
82216 Maisach Gernlinden (close Munich)
Germany
service(at)chemtrend.de
DE.CHEMTREND.COM