



<h1>Lusin®</h1> <p>CLEANING AGENTS PROTECTIVE AGENTS LUBRICANTS</p>		Ultrasonic cleaning	Non-flammable Aerosol	NSF registered	2002/72/EG registered	Mold cleaner	Degreaser	Rust remover	Anticorrosion	Long-term durability	Lubricant for ejector pins	High temperature lubricant (≥300 °C/572 °F)
Product	Supply form											
Lusin® Clean L 21	Aerosol / Bulk					●						
Lusin® Clean L 101F	Aerosol / Bulk	●	●	●		●						
Lusin® Clean L 11	Aerosol / Bulk						●					
Lusin® Clean L 51	Aerosol / Bulk						●					
Lusin® Clean L 52 F	Aerosol / Bulk		●	●			●					
Lusin® Clean W 81	aqueous Bulk	●					●					
Lusin® Clean W 101	aqueous Bulk	●				●						
Lusin® Protect G 11/G 12*	Aerosol / Bulk								●	◐		
Lusin® Protect O 45 F	Aerosol / Bulk			●				○	●	◐		
Lusin® Protect G 31/G 32*	Aerosol / Bulk								●	●		
Lusin® Protect O 41	Aerosol / Bulk							●	◐	○		
Lusin® Lub UH1 96-402	Aerosol / Paste			● ¹						◐	◐	◐
Lusin® Lub PZO 152	Aerosol / Paste								◐	●	●	
Lusin® Lub PM 1001	Aerosol / Paste									●		●
Lusin® Cable spray	Aerosol									◐		
Lusin® Silicone CE	Bulk									●		
Lusin® Lub PY 300 F	Paste									●	●	●
Lusin® Lub OY 181	Aerosol								◐	●		
Lusin® Lub OW 32F (MT 09-079)	Bulk									●		

*red ¹Aerosol only ● highly recommended/yes ◐ medium recommended ○ suitable

Anticorrosion agent
Anticorrosion agents are used to protect metal surfaces against the attack of water, oxygen or other corrosive agents which is commonly known as rust.
Corrosion not only damages metal surfaces but also weakens and finally deteriorates their properties.
Anticorrosion agents are currently based on oils or waxes that are combined with highly active corrosion inhibitors.

Mold Cleaner and Degreaser
Mold cleaners mainly are organic liquids that are intended to remove deposits of thermoplastic resins, colors and miscellaneous additives from moulds or any other metal surfaces. Normally mold cleaners are implemented into the process of preventative maintenance.
Degreasers are applied to remove contaminations (e.g. waxes, oils, greases) from metal, glass or plastic surfaces without attacking or etching them.

Releasing innovative products upon the industry

Lusin[®] Alro OL 151

Lusin[®] Alro OL 151 is a silicone-free universal release agent for all thermoplastics except polycarbonates and ABS, for which we recommend Lusin[®] Alro OL 141, which is also silicone-free.

Lusin[®] Alro OL 151 is a base of synthetic oils and additives for application at mold temperatures up to 150 °C/302 °F.

Special Properties:

- Excellent release and slip effect combined with high pressure resistance
- Long cycle times — multiple demolds possible
- Water solubility
- Subsequent treatment of parts, such as lacquering, printing, gluing is possible (preliminary test is recommended)

High-quality release agents and operating supplies for modern injection-molding

Lusin[®] Alro release agents ensure trouble-free molding, save time, shorten cycle times, are gentle on dies and molds, and reduce scrap. They have proven themselves in the most difficult thermoplastic and thermoset molding applications.

All Lusin[®] Alro release agents are highly recommended for the following thermoplastic processes:

- **Injection Molding**
- **Blow Molding**
- **Extrusion (Film)**
- **Extrusion (Sheet, Profile, Pipe, Wire & Cable)**
- **Compounding**

Chem-Trend offers Lusin[®] Alro release agents in both silicone-based and silicone-free formulations.

- Silicone-based release agents offer advantages in their long cycle times and excellent release properties.
- Silicone-free products are recommended for moldings that have to be painted, imprinted or otherwise treated after demold.



The Lusin® brand of release agents are available in silicone-based, silicone-free formulations.

Lusin® RELEASE AGENTS		Application temperature < 200 °C/392 °F	Application temperature 200-300 °C/392-572 °F	Application temperature > 300 °C/572 °F	NSF registered	2002/72/EG registered	Polyolefins	PS	SAN, ABS, ASA	PVC	PTFE, PVDF	PMMA	POM	PA6, PA66, PA610, PA11, PA12	PC	PET, PBT	PP0, PEEK, PPS, PES, PSU	CA, CAB, CP	TPU
Product	Supply form																		
silicone free	Lusin® Alro OL 151	Aerosol/Bulk	●				●	●		●	●	●	●	●		●		●	●
	Lusin® Alro OL 152	Aerosol/Bulk	●				●	●		●	●	●	●	●		●		●	●
	Lusin® Alro OL 141	Aerosol/Bulk	●				○	○	●			○	○		●				
	Lusin® Alro OL 154	Aerosol	●				○	○	●	○	○		○		●	○			
	Lusin® Alro OL 202 F	Aerosol		●		●	●	●		●		●	●	●		●	●	●	●
	Lusin® Alro LL 261 ²	Aerosol/Bulk		●			●	●	●	●		●	●	●		●	●	○	●
	Lusin® Alro LL 301 ²	Aerosol		●	●			●		●		●	●	●			●		●
	Lusin® Alro OL 401	Aerosol			●												●		
silicone based	Lusin® Alro O 152 S	Aerosol/Bulk	●				●	●	○	●	●	●	●	●		●		●	●
	Lusin® Alro O 153 S	Aerosol/Bulk	●		●		●	●	○	●	●	●	●	●	●	●		●	●
	Lusin® Alro OL 153 S	Aerosol/Bulk	●				●	●		●	●	●	●	●		●		●	●
	Lusin® Alro OL 201 S	Aerosol/Bulk		●			●	●		●	●	●	●	●		●		●	●
	Lusin® Alro HL 251 S	Aerosol/Bulk		●			●	●		●		●	●	●				●	●
	Lusin® Alro HL 252 S	Aerosol/Bulk		●			●	●		●		●	●	●				●	●

¹ Registered according to European legislation
² PTFE base
³ Registration is pending

● highly recommended/yes ● medium recommended ○ suitable

Release Agents
 Release agents are highly sophisticated instruments that facilitate the demolding of plastic parts from molds.
 Release agents can be divided into:
 - Silicone free release agents
 - Silicone containing release agents
 - Dry release agents mainly based on PTFE.

Purging Compounds

Ready-to-use purging compounds

Lusin[®] Clean G 315

Lusin[®] Clean G 315 is a ready-to-use granular compound for the cleaning of screws, cylinders and nozzles of thermoplastic injection molding machines and extruders. This product is acceptable for use in the food industry where there is no possibility of food contact. The compound consists of high-grade plastic with additives and contains no abrasives. Lusin[®] Clean G 315 is suitable for use at a temperature up to 315 °C/599 °F and for the cleaning of hot runners, especially for plastics with low melt index.

When applied at the correct material temperature, Lusin[®] Clean G 315 is odorless and rapidly removes crusts and deposits from screws, cylinders and nozzles.

All of Chem-Trend's Lusin[®] brand non-abrasive chemical purging compounds are safe for hot runner systems.

Purging granulates with real power

Lusin[®] Clean G provides the ideal cleaners for thermoplastic injection molding machines and extruders with no smoke or odor. The granulate form cleaners contain no abrasives and allow fast, effective purging of injection molding machines with low material consumption.





Chem-Trend's Lusin® brand non-abrasive purging compounds allows molders faster resin color changeovers with virtually no abrasion to system components.

<h1>Lusin®</h1> <h2>PURGING COMPOUNDS</h2>		Injection Molding	Blow Molding	Extrusion (Film)	Extrusion (Sheet, Profile, Pipe, Wire & Cable)	Compounding	Pass filter	Hot runner suitable	NSF registered	Polyolefins	PS	SAN, ABS, ASA	PVC	PTFE, PVDF	PMMA	POM	PA6, PA66, PA610, PA11, PA12	PC, PC/ABS	PET, PBT	PP0, PEEK, PPS, PES, PSU, LCP	CA, CAB, CP	TPU, TPE	Temperature range > 300 °C/572 °F	Temperature range 180-300 °C/356-572 °F	Temperature range 120-250 °C/248-482 °F
Product	Supply form																								
Lusin® Clean G 320	granulates	●				◐	●	●	●	◐	●	●	◐	●	●	●	●	○	●		●	◐	○	●	
Lusin® Clean G 315	granulates	●			●	●	●	●	●	●	○	○		○	◐		●	◐				◐	○	●	
Lusin® Clean OH 311	granulates	●			●	●	●	●		◐	○	○	●		◐	◐	●					●	○	●	◐
Lusin® Clean OH 251	granulates	●			●	●	●	●	●	◐	○		●			◐	◐					●	○	●	◐
Lusin® Clean G 410	granulates	●				○	●	●	●											●			●		◐
Lusin® Clean 1500 ¹	granulates	●				●	●	●							○		◐	●	◐			◐	●	●	
Lusin® Clean G 295 C ²	granulates	●					●	●	●	●	◐	●					◐	●	◐			◐	●	●	
Lusin® Clean G 300	granulates	◐	●		●		●	●	●		●	●	●		●	●	●	◐	●	●			●	●	
Lusin® Clean G 301	granulates	◐	●		●		●	●	●	●													●	●	
Lusin® Clean LD 250	granulates	◐*		●	◐		●	●	●	●			●				◐								●

In case of material change from A to B purge with Lusin® purging compound suitable for A

¹ concentrate (25% Lusin® Clean 1500 / 75% virgin resin)

² concentrate (30% Lusin® Clean G 295 C / 70% virgin resin)

* Caps and Closure

● highly recommended/yes

◐ medium recommended

○ suitable





High-quality food-grade products



Our products are subjected to stringent controls and meet the demands of packaging in the foodstuff sector. Review the product overview charts to find the right food-grade product for your process.

Lusin® Clean L 101 F

Cleaner

Ready-to-use mold cleaner designed especially for removal of polymer residues

Lusin® Clean L 52 F

Degreaser

Ready to use degreaser for the whole production area.

Lusin® Alro OL 202 F

Release Agent

Silicone-free release agent suitable for mold temperatures up to 200 °C/392 °F

Lusin® Alro O 153 S

Release Agent

Universal silicone release agent for plastic and rubber processing for use up to 150 °C/302 °F mold temperature

Lusin® Lub UH1 96-402

Lubricant

Metal-free lubrication for temperatures up to 1200 °C/2192 °F

Lusin® Protect O 45 F

Anti-corrosion Agent

Grease-based anti-corrosive for the temporary protection of all metal surfaces; repels water



Lusin® Clean G 320

Purging Compound

Suitable for all plastics up to a processing temperature of 320 °C/608 °F

Lusin® Clean G 315

Purging Compound

Especially suitable for all plastics with low melt index up to a processing temperature of 315 °C/599 °F

Lusin® Clean G 295 C

Purging Compound

Especially developed for caps and closures production at temperatures up to 295 °C/563 °F

Lusin® Clean G 410

Purging Compound

Suitable for all plastics up to a processing temperatures between 250 and 410 °C (482-770 °F)

Lusin® Clean G 300

Purging Compound

Ready-to-use for screws, cylinders and heads of blow molding machines and extruders up to a processing temperature of 300 °C/572 °F

Lusin® Clean G 301

Purging Compound

Ready-to-use, developed for cleaning injection screws, cylinders and blow molding dies for polyolefins up to a temperature of 300 °C/572 °F

Lusin® Clean LD 250

Purging Compound

For high quality single and multi-layer film extruders at temperatures up to 250 °C/482 °F

Lusin® FOOD-GRADE PRODUCTS		NSF registered	2002/72/EG registered
Product	Supply form		
Lusin® Clean L 101 F	Aerosol / Bulk	●	
Lusin® Clean L 52 F	Aerosol / Bulk	●	
Lusin® Protect O 45 F	Aerosol / Bulk	●	
Lusin® Lub UH1 96-402	Aerosol	●	
Lusin® Alro OL 202 F	Aerosol		●
Lusin® Alro O 153 S	Aerosol / Bulk	●	
Lusin® Clean G 320	Granulates	●	
Lusin® Clean G 315	Granulates	●	
Lusin® Clean G 410	Granulates	●	
Lusin® Clean G 295 C	Granulates	●	
Lusin® Clean G 300	Granulates	●	
Lusin® Clean G 301	Granulates	●	
Lusin® Clean LD 250	Granulates	●	



A world of support

Chem-Trend brings global expertise to each customer:

- Leading-edge thermoplastic development laboratories
- Manufacturing facilities on five continents
- Sales and service offices in 17 countries
- Distribution network across more than 50 countries
- Around-the-clock product support available

Chem-Trend LP

Chem-Trend North America

Global Headquarters
Howell, MI USA
Tel: 517.546.4520
Fax: 517.546.8910
psales@chemtrend.com

Chem-Trend Brazil

Southern Hemisphere Headquarters
Valinhos, Sao Paulo, Brazil
Tel: +55.19.3881.8220
Fax: +55.19.3881.8222
sales@chemtrend.com.br

Chem-Trend India

India Headquarters
Bangalore, India
Tel: +91.80.4124.0201
Fax: +91.80.4124.0209

Chem-Trend Germany

European Headquarters
Maisach, Germany
Tel: +49.8142.417.0
Fax: +49.8142.1588.4
lusin@chemtrend.de

Chem-Trend Singapore

Asia-Pacific Headquarters
Singapore
Tel: +65.6736.0113
Fax: +65.6736.0655
sales@chemtrend.com.sg

Chem-Trend Japan

Japan Headquarters
Osaka, Japan
Tel: +81.66.225.1285
Fax: +81.66.225.1286

For more information about Chem-Trend and our locations in other countries, please visit us at www.chemtrend.com/locations.asp.