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SURE-FOOTED

At all molding steps.

 **Chem
Trend**
Release Innovation™

a brand of
 **FREUDENBERG**

[ChemTrend.com](https://www.chemtrend.com)



Innovative Technology for Molding Productivity around the World.

Chem-Trend is a global market leader in the development, production and supply of high-performance processing aids for a wide array of industry applications. To enhance your productivity, we deliver value-added solutions to customers across industries and market segments around the world.

For your shoe sole manufacturing processes – both PU low-pressure casting and PU direct injection – we provide customized technologies to effectively optimize your productivity. Read more about our products below.

A COMPREHENSIVE PORTFOLIO

Our **broad product range of release agents** allows us to meet the demands of your production challenges. Our experts will guide you to discovering the best solution for your operations, whether it's based on finished-part surface feel, post-production paintability of sole parts or environmental impact.

RELEASE AGENTS FOR HIGH PRODUCT QUALITY

Our water- and solvent-based **release agents** extend tool life, improve surface quality and reduce scrap and defect rates. With our broad portfolio of release agents, we have the solution to meet your needs.

MOLD CLEANERS FOR OPERATIONAL EFFICIENCY

Our **mold cleaners** powerfully attack resinous mold buildup and safely remove waxes, silicones, contaminants, polyurethane and polyurethane residues – for perfect results.

A POWERFUL TEAM: MOLD SEALERS AND PASTES

Chem-Trend **mold sealers and preparation pastes** prevent mechanical and chemical bonding during molding operations. They provide an effective base for enhancing release and optimizing your shoe sole production.

MATERIALS USED TO MAKE FOOTWEAR

The materials that are used for the production of footwear are as diverse as global trends global trends.

- Po** Polyurethane – Polyester and Polyether PU systems
- TPU** Thermoplastic PU
- TPR** Thermoplastic Rubber
- Ru** Rubber
- EVA** Ethyl Vinyl Acetate
- ...** Others

Technologies can be customized to application and processing conditions:



Chem-Trend's release agents are recommended for all the polyurethane insoles, unit soles, direct-on – mono and dual density – and slippers

YOUR BENEFITS

Chem-Trend's solutions for polyurethane shoe sole manufacturers provide:

- Excellent part release with polyester or polyether systems for direct attach and dual density manufacturing
- Optimal gloss level and surface finish quality based on customer specifications
- Tin-free formulations
- Compatibility with secondary operations such as gluing
- Lower scrap rates
- Cleaner molds
- Less downtime
- Higher part quality
- Low VOC emissions
- Water- or solvent-based products
- Cleaner, safer working environments