

## CHEM-TREND® SL-6XXXX RELEASE AGENT SERIES

### Efficient production of high-quality die casting parts

Chem-Trend developed the first effective water-based release agent (die lubricant) over fifty years ago. Since then, Chem-Trend's continual innovation steadily evolved our product line setting new standards in the die casting industry. The Chem-Trend® SL-6XXXX release agent series offers a comprehensive product range for the requirements of the processing industry and facilitates a demonstrable improvement in diverse associated procedures.

The high-end products of the Chem-Trend® SL-6XXXX series help manufacturers produce easy to clean casting parts that are also suitable for use in heat treatment applications. The release agents are moreover cathodic dip coating compatible (CDC-compatible), i.e. they do not affect metal coatability, even with regard to CDC processing. Post-processing by means of seal or structural bonding is no problem.

Yet another advantage is that die casting components produced using Chem-Trend® SL-6XXXX can be welded without requiring any preliminary treatment.

### At a glance – advantages of Chem-Trend® SL-6XXXX release agent series

- Better adhesion of release agent film over a wider temperature range and higher mould temperatures
- Quicker development of optimal release agent film
- Improved protection from metal adhesions in casting tool (solder)
- Excellent demoulding of high-quality casting parts
- Less porosity resulting from trapped gas
- Improved protection of moulds, tools and machines against corrosion
- Suitability for die casting parts with very small dimensional tolerances



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### A formula against microbiological problems: Bio Inhibiting Technology BIT™

Microbiological contamination is a problem that can occur throughout the die casting industry. Under certain circumstances, microorganisms such as yeasts or bacteria can enter systems containing release agents. These may degrade organic components of diluted lubricant systems, leading to deposits. This impairs the effectiveness of release agents and results in contamination of spray heads, lines, moulds, etc.

To combat this, Chem-Trend has developed a highly effective technology that is designed to negate some of the impact of the bio-activity, thereby effectively preventing contamination or formation of slime. This helps die casters to keep any microbiological problems in check, resulting in reliably smooth die casting processes. Chem-Trend® SL-60010 and Chem-Trend® SL-61007 products are already equipped with innovative Bio Inhibiting Technology BIT™.

To prevent from something like that!



The above pictures show examples of bio-activity. BIT™ negates some of the impacts of the bio-activity.