



# Chem-Trend® SL-61007

## Water Soluble Die Lubricant

### Description

Chem-Trend® SL-61007 is a modern medium to heavy duty, white die lubricant. The special additive package makes it ideal for the release of difficult and complex aluminium pressure die castings.

Chem-Trend® SL-61007 contains an excellent lubricant base, plus anti-weld chemicals and extreme-pressure additives to form a perfectly balanced emulsion. It provides superior release and enhances lubrication of ejector pins and sliding cores. Other additives provide positive protection against pitting and corrosion. The products excellent wetting and film building capabilities ensure a uniform coating throughout the die across a large temperature range.

### Benefits

- Suitable for medium to high temperature application
- Good soldering protection
- Good metal flow
- Good lubrication property (cores, pins)
- Good cast finish
- Reduced slimy bacteria residues in dilution
- Low cavity build-up

### Typical Properties

Appearance	White fluid
Density (20 °C)	~1,0 g/cm <sup>3</sup>
Viscosity (20 °C)	< 50 mPa s
pH (concentrate)	~ 8,3
Storage stability, unopened container	12 months

### Recommended Use

For high pressure casting of medium to heavy duty aluminium castings, where a good finish, soldering protection, film adhesion and good lubrication is required.

### Application

Chem-Trend® SL-61007 should be diluted with water before use. The dilution length varies with the complexity of parts, but a starting dilution of 1:50 is recommended. This dilution can always be extended further after the natural burnished coating provided by this lubricant has been established. This normally takes place after 2 hours. Dilutions up to 1:120 are often attainable.

It is recommended to flush the pipe system that contains release agent with water during longer breaks (e.g. weekend or vacation).

If the die casting parts has to be painted or plated, the adequacy of the cleaning system should be determined. In most cases the cast parts may be successfully cleaned in any good alkaline system or with abrasive shot blasting. For specific cleaning issues please contact your Chem-Trend sales representative.

### Storage

Keep from freezing; however, cold material should be allowed slowly to warm (up) to room temperature and stirred well prior to use. In summer the drums should not be exposed to direct sun for a long period of time. The storage temperature should not exceed 50 °C.

### Handling

We believe Chem-Trend® SL-61007 has a low degree of hazard when used as intended. For more information, request a copy of Chem-Trend's Material Safety Data Sheet.

### Packaging

Chem-Trend® SL-61007 is available in a variety of package sizes. Please contact Chem-Trend customer service for details.

### Further Information

Request information on our complete range of materials for this industry from your Chem-Trend sales representative.

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