

Ultimate Alloy Die Casting Release Agent for Peak Performance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Lubekote
- Minimum Order Quantity: none
- Price: Negotiable
- Packaging Details: 20KG, 200KG
- Delivery Time: 5-10 days
- Payment Terms: T/T
- Supply Ability: 10T/week



Product Specification

- Temperature Resistance: High
- Usage Class: Die Casting Release Agent
- Diluent: Deionized Water
- Package: 20KG, 200KG, IBC
- Instructions: External Release Agent
- Form: Liquid
- Viscosity: Low
- Classification: Chemical
- Highlight: **Ultimate Alloy Die Casting Agent,
Peak Performance Release Agent,
Alloy Die Casting Release Agent**

for more products please visit us on shlorechem.com

Product Description

The Ultimate Alloy Die Casting Release Agent for Peak Performance

Temperature Resistance	High
Usage Class	Die casting Release Agent
Diluent	Deionized Water
Package	20KG, 200KG, IBC
Instructions	External Release Agent
Form	Liquid
Viscosity	Low
Classification	Chemical

Unlock superior efficiency and exceptional mold protection in your aluminum and magnesium pressure die casting operations with LubeKote 3014, the cutting-edge synthetic, oil-based alloy die casting release agent. Engineered for the most demanding applications, LubeKote 3014 delivers unmatched performance at minimal usage rates.

Product Overview

LubeKote 3014 represents the pinnacle of synthetic release agent technology. This direct-use, oil-based formula requires no dilution and is applied precisely via micro-spray technology directly onto the mold surface. It excels even in extreme die casting conditions, providing flawless release while dramatically reducing consumption. Notably, LubeKote 3014 eliminates the need for post-application air blowing, significantly shortening cycle times. Its unique formulation prevents thermal shock to molds, directly contributing to extended mold life and reduced downtime. It's a highly effective alternative to traditional graphite pastes within automatic spray systems.

Key Advantages of this Alloy Die Casting Release Agent

- Unrivaled Release Performance: Guarantees clean, consistent part ejection every cycle, minimizing sticking and drag marks.
- Exceptional Lubrication: Reduces friction at critical points, protecting both the mold and the casting surface.
- Superior Film Formation & Coverage: Creates a thin, uniform, tenacious barrier that maximizes protection and release efficiency, even at ultra-low application rates.
- Eliminates Mold Thermal Shock: The oil-based nature prevents rapid cooling of the hot mold surface upon application, drastically reducing stress cracking and fatigue.
- Boosts Productivity & Reduces Scrap: Shorter cycles (no blow-off needed) combined with fewer rejected parts due to release issues directly increase output and lower costs.
- UV-Optimized Performance: Exposure to high-temperature UV light rapidly enhances and optimizes the release film on the mold surface.
- Pure Synthetic Efficiency: Delivers consistent results without the variability of water-based products.

Product Characteristics

Base Type	Synthetic Oil (Direct Use)
Appearance	Transparent Liquid
Color	Colorless to Pale Yellow
Flash Point	> 100°C (> 212°F)
Density	Approx. 0.84 g/cm³

Application	Direct Micro-Spray (Automatic Systems)
Mixing	Not Dilutable with Water



Application

LubeKote 3014 is designed for use with automatic spray systems in high-pressure die casting environments. Its direct-use nature and micro-spray compatibility ensure precise, efficient application directly onto the mold surface. Crucially, LubeKote 3014 is NOT water-soluble and must never be mixed with water-based release agents or systems.

Storage

Store in a dry place, protected from direct sunlight.

Recommended storage temperature range: 5°C to 40°C (41°F to 104°F).

Shelf Life: 12 months from date of manufacture when stored unopened in original, tightly sealed containers under recommended conditions.

LubeKote 3014 Alloy Die Casting Release Agent - FAQ

Can LubeKote 3014 be diluted?

No. LubeKote 3014 is a direct-use, oil-based product. It must be applied neat and is not compatible with water. Dilution will severely compromise its performance and properties.

Does it require air blowing after application?

No. A significant advantage of LubeKote 3014 is that its formulation eliminates the need for an air blow-off step after spraying. This directly reduces cycle time.

How does it help extend mold life?

By preventing thermal shock - the rapid cooling of the hot mold surface that occurs when water-based agents are sprayed. This thermal stress causes micro-cracking and fatigue. LubeKote 3014's oil base avoids this drastic temperature change.

Can it replace graphite paste?

Yes. LubeKote 3014 is specifically formulated to be a high-performance alternative to graphite pastes in automated spray systems, offering cleaner operation and potentially easier maintenance.

What is the UV optimization mentioned?

Under the high temperatures and UV light present in the die casting environment, LubeKote 3014's release film rapidly cures and optimizes on the mold surface, enhancing its protective and release properties during production.

Is it suitable for both aluminum and magnesium die casting?

Yes. LubeKote 3014 is explicitly designed for use with both aluminum and magnesium alloys in pressure die casting applications.



Warehousing and logistics



It has nearly 5,000 square meters of cargo storage area. Eight employees work full-time in warehousing.







Technical support



Making adjustment in the field



Shanghai Lorechem has a professional technical service team, whose members are specialized in polymer materials engineering. They have a wealth of field testing.

Testing in the field



Shanghai LoreChem Co., Ltd. was established in 2008. It is a high-tech enterprise which is dedicated to serve releasing products which involve semi-permanent release agent, anti-sticking, surface lubrication and thermal reactive adhesive. Shanghai LoreChem has been improving product quality for 15 years. The releasing products are mainly applied in rubber, polyurethane and composite industry. The brand of Lubekote for release agent and Thinkbond for adhesive have been registered in China. Both of them are well known in the industry. Shanghai LoreChem's business is all over the domestic and foreign high-end production enterprises by providing professional technical solutions and services. The company's long-term goal is to become one of the best suppliers of release agent in Asia.



Shanghai Lorechem Company Limited



15901891635



export@lorechem.com



shlorechem.com

Floor 2-3, Building 20, Hongxing International Plaza, Lane 1818, Lianhang Road, Pujiang, Shanghai