

# DETACH LIGHTNING<sup>†</sup>

## Mould Release Agent

### Product Description

DETACH—LIGHTNING is a unique balanced emulsion formulation of specialty non-hazardous vegetable oil derivatives. The product has been specifically designed and formulated as an economical water based mould release agent that provides excellent release from metallic moulds used in the concrete Precast industry whilst offering a high level of operator health and safety and to minimise adverse impact on the environment.

### Key Benefits

- ◆ Excellent release characteristics due to a uniquely balanced formulation
- ◆ Can provide a Class 1—2 finish to concrete surfaces
- ◆ Suitable for both heated or ambient cured surfaces
- ◆ Resists build up on moulds and promotes easy clean up
- ◆ Very cost effective due to its low use rate
- ◆ Finished concrete surfaces are suitable for painting (Follow paint suppliers recommendation)
- ◆ Maintains performance and workability at low temperatures
- ◆ Provides a high level of operator health and safety due to its low toxicity, volatility and bland odour characteristics.
- ◆ Not classified as a Dangerous Good enabling more flexible and convenient storage, handling and transportation
- ◆ Environmentally friendly - Unique formulation provides faster and more complete biodegradation for a cleaner and safer environment

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### Application

#### Precast Concrete Manufacture

Apply DETACH - LIGHTNING undiluted by spray, brush or mop.

Apply at a rate of 50-75 m<sup>2</sup> / Lt or as little as possible whilst ensuring a thorough and even coverage over the entire working surface of the mould. This should provide optimum performance and minimize the potential for sticking, uneven release and buildup on the moulds. Excess material may compromise performance and can be removed with a mop or soft cloth.

Hand sprayers constructed with a cap type filling device will allow easy filling without the possibility of dust contamination. They should be fitted with a suitable sized flat fan nozzle and appropriate tip strainer.

A superior surface finish may be attained by applying DETACH - LIGHTNING with a damp clean soft flannel cloth.

### Physical Properties

Appearance	White milky liquid
Specific Gravity (20°C)	0.96
Viscosity (20°C)	18 cSt
Odour	Bland oily
Min application temp	10°C
Flash Point	>200°C min

### Other Concrete Mould Release Products

DETACH<sup>†</sup> 107—Economical general purpose release agent delivering high class finish with excellent release and no build up

DETACH<sup>†</sup> ULTRA—Specialty formulation for class one finish on Super T's and other large concrete segments

<sup>†</sup> Trademark used under licence

### The Company

**Victorian Chemical Company is committed to providing quality products and professional and friendly service, that our customers can confidently rely on to add value to their businesses. In order to achieve this goal we will continue to develop, our understanding of our customer's requirements, the operations of our company and our technical expertise.**

### Storage & Handling

When stored indoors at temperatures between 4—40°C in closed original containers, this product can be stored for up to 1 year.

Once a container has been opened the product should be used as quickly as practical. When not in use ensure the container is sealed and stored away from extremes of temperature.

DETACH LIGHTNING is an emulsion product which may separate if;

- ◆ mixed with any other material including water
- ◆ exposed to air for prolonged periods.
- ◆ exposed to extreme temperature (<4°C or >40°C)

### Safety Health & Environment

DETACH - LIGHTNING is not classified as a dangerous good. It is non-hazardous and considered of low risk to health if used according to appropriate industrial hygiene practices. Ensure good ventilation during use. Skin and eye contact should be avoided.

DETACH - LIGHTNING is biodegraded by natural processes and poses a low risk to the environment.

For further information refer to MSDS at [www.vicchem.com](http://www.vicchem.com)

### Packaging

Available in:

- 1000L IBC
- 200L Steel Drum
- 20L HDPE

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