

Technical Bulletin

Castle Release 90

Mould Release Agent

Product Description:

CASTLE RELEASE 90 is a uniquely balanced emulsion formulation of specialty non-hazardous vegetable oil derivatives that provides excellent concrete release from metallic moulds used in the concrete Precast industry. **CASTLE RELEASE 90** is very economical and has been specifically designed to provide a high level of operator health and safety and to minimise adverse impact on the environment.

- 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 situations
- 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, low 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

Application:

PRECAST CONCTETE MANUFACTURE:

Apply CASTLE RELEASE 90 undiluted by spray, brush or mop. Apply at a rate of 50-75 m² / 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 build-up 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. A superior surface finish may be attained by applying CASTLE RELEASE 90 with a damp clean soft flannel cloth.

CAUTION - Avoid use on rubber or latex fittings or moulds as CASTLE RELEASE 90 can penetrate these materials and cause shape distortion. Teflon or Viton is generally recommended for seals and fittings.

STORAGE & HANDLING

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

CASTLE RELEASE 90 is an emulsion product which may separate if;

- mixed with any other product
- exposed to air for prolonged periods
- exposed to extremes of temperature

Clean equipment with water before using CASTLE RELEASE 90.

Do not return unused product to original container

For maximum life cycle, CASTLE RELEASE 90 should be stored in a cool place (<40°C) in its original sealed container. Available in: 25 Lt. Drums, 200 Lt. Drums, 1000L IBC's

PROPERTIES/APPEARANCE

Appearance White milky liquid	Odour Bland oily
Pour point 0°C	Flash point >150°C
Viscosity (20°C) 18 cSt	SG (20°C) 0.96

SHELF LIFE: As a quality assured manufacturer, Castle Chemicals has a stringent Quality assurance programme. As part of this regime, the label on this product shows a batch number and date of manufacture. This product has a shelf life of 12 months from the label printed date of manufacture. This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Castle Chemicals assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of material. **Page 1 of 1**