

Technical Bulletin

Castle Bituslip 90

Emulsion Based Bio Release Agent

Product Description:

CASTLE BITUSLIP 90 is a unique balanced formulation of specialty non-hazardous vegetable oil derivatives specifically designed for use in the asphalt industry as a protective barrier to prevent sticking of bitumen to metal surfaces. It offers excellent slip characteristics while providing a high level of operator health and safety with minimal adverse impact on the environment.

- Ready to use formulation
- Easy to apply
- Performs well in difficult situations such as 'trap-door' deliveries and 'carry-back' jobs
- Also suitable for open graded asphalt and poly modified bitumen
- Ideal as an anti-stick agent for asphalt working tools
- Very cost effective due to its low use rate
- Good product stability and shelf life (typically 6 months)
- 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

Application:

An application device has been specifically designed and developed for easy application of SLIPWAY into trucks at asphalt plants. The unit is complete with a variable spray gun and usage rates can be easily managed via a dual timer control complete with lock out. Apply the minimum amount of **CASTLE BITUSLIP 90** required to cover all working surfaces. Avoid excess application which may result in running or pooling of product. A typical application requires approx. 300mL to 500mL per truck. PMB bitumen may require higher application rates. **CASTLE BITUSLIP 90** may also be applied by hand sprayer, brush or mop. Working tools can be protected by simply immersing in undiluted product.

When this product is in contact with rubber and latex components, it can over time cause them to swell which may affect their functionality. Incidental or intermittent contact is usually less of an issue than continual contact. Other elastomers such as viton and polytetrafluoroethylene (PTFE) have generally been found to be less affected and are therefore used preferentially in pump seals and in other fittings. Polypropylene storage tanks have been found to be suitable to store the product. When stored indoors at temperatures below 40°C and in closed original containers, this product can be stored for up to 1 year.

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CASTLE BITUSLIP 90 is an emulsion product which may separate if:

- mixed with any other product
- exposed to air for prolonged periods or extreme temperature

Clean equipment with water before using **CASTLE BITUSLIP 90**. Do not return unused product to original container. **CASTLE BITUSLIP 90** 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. **CASTLE BITUSLIP 90** is biodegraded by natural processes and poses a low risk to the environment. For maximum life cycle, **CASTLE BITUSLIP 90** should be stored in a cool place (<40°C) in its original sealed container.

Appearance: White milky liquid

Odour: Bland oily

Pour point : 0°C

Flash point : >200°C

Viscosity (20°C) : 18 cSt

SG (20°C): 0.96

Available in:

20 Lt. Containers

200 Lt. Drums

1000Lt I.B.C.'s

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.