

PRODUCT DATA SHEET

CALFORD® WB CALFORD® WP

CASRN 110-30-5

DESCRIPTION

CALFORD® WB and **CALFORD® WP** are Ethylene bis Stearamide (EBS) waxes ($C_{38}H_{76}O_2N_2$) manufactured using vegetable based stearic acid. **WB** is a bead/prill and **WP** is a powder.

KEY FEATURES & BENEFITS

- Economical
- Provides excellent gloss, slip and printability
- Low dusting (bead/prill form)

TYPICAL PROPERTIES

Property	Calford WB	Calford WP
Appearance	White beads/prills	White powder
Colour, Gardner	3 Max	3 Max
Acid Value, mg KOH/g	10 Max	10 Max
Amine Value, mg KOH/g	3 Max	3 Max
Ash Content, % by wt.	0.1 Max	0.1 Max
Moisture, % by wt.	0.3 Max	0.3 Max
Melting Point, °C (°F)	140~147 (284~297)	140~147 (284~297)
Flash Point, °C (°F)	280 (536)	280 (536)
Particle Size	≈ 1 mm dia.	Passes through 200 mesh (74 μm) 60% by wt.

APPLICATION

- In most **Plastic** polymers including polyethylene, polypropylene, ABS, polystyrene, PVC (rigid and flexible), nylon, acetal, thermoplastic polyester and phenols as:
 - Internal/external lubricant
 - Mold release
 - Processing aid
 - Anti-block
 - Slip additives
 - Dispersing agent for pigments, color concentrates and other additives
 - Suitable for FDA applications
- In **Coating** and **Ink** applications as dispersants and matting agents
- For other applications such as **Powdered Metals** which required a micronized powder, **CAPLUBE® W** is recommended

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SHIPPING, STORAGE & HANDLING

Packaging – Standard packaging is 25 kg (55 lb.) paper bags; other packaging may be available depending on order quantities and inventory status.

Shelf Life – 36 months when stored indoors in a dry environment at ambient temperatures. Products > 36 months old may be useable; contact Blachford for a specific recommendation

Harmonized Tariff Code – 29241900

REGULATORY

Chemical Inventories – Listed on DSL (Canada), TSCA (USA), EINECS (EU) and other commonly referenced inventories; contact Blachford for specific confirmations.

Conflict Minerals – Does not intentionally contain gold, tantalum, tin, tungsten or their derivatives

Proposition 65 – Contains no substances known by the State of California to cause cancer or reproductive toxicity

40 CFR 261: RCRA – Does not meet the definition of a 'hazardous waste'

RoHS / CONEG Heavy Metals – Contains no intentionally introduced lead, cadmium, mercury, chromium, PBBs or PBDEs and complies with the concentration limits

Reach – Registered (contact Blachford for usage advice). Does not contain any SVHC's

FDA – Regulated as an indirect food additive under FDA 21 CFR sections : 175.105, 175.300, 175.320, 176.170, 176.180, 177.1200, 177.1350, 177.1400, 177.1640, 177.2470, 177.2480, 178.3860

ABOUT BLACHFORD

H.L. Blachford Ltd was founded in Montreal in 1921 by Henry Lloyd Blachford as a distributor of chemicals to rubber, paint and ink makers. Since that time it has grown its operations with manufacturing sites in the USA, Canada and the UK. Blachford manufactures stearate based products for a variety of industries including rubber, tire, powdered metal, plastics, PVC, food, wire drawing and metal working. Blachford is also a leading manufacturer of noise and vibration control technology, heavy duty rubber mats and headliners for the transportation and agricultural equipment industries.

RESPONSIBLE CARE® - OUR COMMITMENT TO SUSTAINABILITY – www.responsiblecare.org

Responsible Care® is the global chemistry industry's commitment to sustainability. As a founding and current member of the Responsible Care® initiative, Blachford has dedicated itself, its technology and its business practices to sustainability – the betterment of society, the environment and the economy. Blachford follows the Responsible Care® ethic and principles to innovate for safer and more environmentally friendly products and processes, and to work to eliminate harm throughout the entire life cycle of the products.

DISCLAIMER

The purpose of this document is to provide general information and advice. All statements, formulations and recommendations are offered in good faith but without guarantee. Users of Blachford products are themselves responsible for compliance with any legal provisions including those relating to patent laws and accident prevention. **CALFORD®** and **CAPLUBE®** are registered trademarks of H.L. Blachford Ltd.

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