

PRODUCT DATA SHEET

CALCIUM STEARATE | L-155 | 325 | COARSE | L-155V

CASRN 68424-16-8
1592-23-0

DESCRIPTION

CALCIUM STEARATE L-155, CALCIUM STEARATE 325, CALCIUM STEARATE COARSE and **CALCIUM STEARATE L-155V** are Calcium Stearate Products from fusion reaction (calcium hydroxide and fatty acid), suitable for 21 CFR FDA indirect food and NSF applications. **L-155, 325** and **COARSE** are manufactured using tallow derived stearic acid, while **L-155V** is manufactured using a vegetable derived stearic acid. The **COARSE** grade is finished differently in order to produce a more granular, lower dusting product. The **325** is ground to a finer particle size than **L-155**.

KEY FEATURES & BENEFITS

- Economical
- Local availability in many locations throughout North America
- Low dusting (coarse form) and Fine formats
- Vegetable (L-155V) and Tallow (L-155 and Coarse)
- Suitable for 21 CFR FDA and NSF applications

TYPICAL PROPERTIES

Property	L-155	325	Coarse	L-155V
Appearance	White powder	Fine White Powder	White Granules	White powder
Moisture, % by wt.	2.5	2.8	3.2	2.5
Free Fatty Acid, % by wt.	0.3	0.4	0.2	0.3
Total Ash, % by wt.	10.5	10.6	11.5	10.2
Melting Point, °C (°F)	155 (311)	155 (311)	155 (311)	155 (311)
Particle Size, % <20 mesh	100	100	99	100
Particle Size, % <200 mesh	> 90	N/A	< 15	> 90
Particle Size, % <325 mesh	N/A	> 95	N/A	N/A
Stearic Acid Source	Tallow	Tallow	Tallow	Vegetable

APPLICATION

- As a **heat stabilizer** in rigid **PVC**, improving resin fusion and reducing die swell.
- In most plastic polymers as a **process aid** to improve pigment and additive dispersion. As well in most polymers, the product is an internal/external **lubricant** and **release agent**. Calcium Stearate can also be used as an **acid scavenger** in most plastics.
- As an anti-caking additive in Animal Feed and applications where anti-caking and improved flow is required.
- As a **waterproofing** agent in textiles and **efflorescence control** in concrete and brick
- For other applications the following products/versions are recommended:
 - **Aqueous Dispersion** - Calford CD 50-S
 - **Kosher/USP** – Calcium Stearate SAK CS P/USP(K), Calcium Stearate SAK CS G(K),
- Compatible resins include: ABS, Nylon, Polyethylene, Polypropylene, Polystyrene, Poly Vinyl Chloride

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SHIPPING, STORAGE & HANDLING

Packaging – Standard packaging is 50 lb. (22.5 kg) 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

Shipping Classification – NMFC Class 55 non-hazardous, heated freight not required

Harmonized Tariff Code – 2915.70.01.50

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 – Does not contain any SVHC's; Exempt from Reach Registration

FDA – Regulated as an indirect food additive under FDA 21 CFR sections : 175.105, 175.300, 175.320, 176.170, 176.180, 176.200, 176.210, 177.1200, 177.1210, 177.2260, 177.2410, 177.2600, 178.2010



– Listed under NSF/ANSI 14 and NSF/ANSI 61. See listing at www.nsf.org/certified-products-systems for most up to date details.

ABOUT BLACHFORD

H.L. Blachford Ltd was founded in Montreal in 1921 by Henry Lloyd Blachford and has grown its operations to include 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.

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