

# PRODUCT DATA SHEET

## ZINC STEARATE | 201 | 201V | 201ND | 325

CASRN 67762-34-9 / 557-05-01

### DESCRIPTION

**ZINC STEARATE 201**, **ZINC STEARATE 201ND** and **ZINC STEARATE 325** are fusion reaction (zinc oxide and fatty acid), tallow based zinc stearates suitable for 21 CFR FDA indirect food applications. These three products are all manufactured using the same raw materials and same base process but finished differently to provide a range of particles sizes and handling characteristics. **ZINC STEARATE 201V** is manufactured in the same manner as **201** but is a vegetable based version.

### KEY FEATURES & BENEFITS

- Economical
- Local availability in many locations throughout North America
- Low dusting (coarse form), Fine and very fine formats
- Suitable for a variety of food applications

### TYPICAL PROPERTIES

Property	Zinc Stearate 201	Zinc Stearate 201ND	Zinc Stearate 325	Zinc Stearate 201V
Appearance	White powder	Coarse flakes	White powder	White powder
Moisture, % by wt.	0.1	0.1	0.1	0.8
Free Fatty Acid, % by wt.	0.1	0.1	0.1	0.4
Total Ash, % by wt.	14.4	14.4	14.4	13.5
Melting Point, °C (°F)	124 (255)	124 (255)	124 (255)	124 (255)
Particle Size	95% by wt. passes through 200 mesh (74 µm)	Avg. 1mm X 5mm X 5mm flakes	95% by wt. passes through 325 mesh (44 µm)	95% by wt. passes through 200 mesh (74 µm)

### APPLICATION

- In most **Plastic** polymers including polyethylene, polypropylene, various bulk molding and sheet molding compounds as an internal/external lubricant and processing aid.
- As a stabilizer for liquid colorant applications (gel coat, liquid plastic colorants)
- In anti-tack applications for rubber mixing/processing by either dusting on the rubber or floating on a water bath
- As a waterproofing agent in textiles, concrete, brick and explosives
- For other applications the following products/versions are recommended:
  - **Powdered Metals** - Zinc Stearate 135 / 152
  - **Rubber Anti-Tack** - Zinc Stearate 161
  - **Aqueous Dispersion** - Zinc Stearate 167
  - **Sanding Sealer** – Zinc Stearate SAK ZS PLB
  - **Vegetable/Kosher/USP** – Zinc Stearate SAK ZS P/USP(K)

# PRODUCT DATA SHEET

**ZINC STEARATE | 201 | 201V | 201ND | 325**

p2

## SHIPPING, STORAGE & HANDLING

**Packaging** – Standard packaging is 50lb (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 SVHC’s** – Does not contain any SVHC’s

**FDA** – Regulated as an indirect food additive under FDA 21 CFR sections : 175.105, 175.300, 176.170, 176.180, 177.1200, 177.1210, 177.1460, 177.1900, 177.2410, 177.2600, 177.2010, 178.3910

## ABOUT BLACHFORD

H.L. Blachford Ltd was founded in Montreal in 1921 by Henry Lloyd Blachford. Since that time it has grown its operations to become a global supplier 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](http://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.

09/17

**H.L. Blachford Ltd.** 2323 Royal Windsor Dr., Mississauga, ON CANADA L5J 1K5

**Blachford Corporation** 401 Center Rd., Frankfort, IL USA 60423



**WWW.BLACHFORD.COM | +1.905.823.3200 | SALES@BLACHFORD.COM**

• ISO 9001 •