

TECHNICAL DATA SHEET:

Stearates - Technical Grade



Material Sciences

Stearates - Technical Grade - 2313-G - Magnesium

2313-G magnesium stearate can perform the following functions in formulations; lubricants, acid scavengers, coupling agents, waterproofing agents, viscosity modifiers and flattening agents.

These products are primarily used as lubricants and mold releases for high temperature and engineering resins. They are also used for waterproofing construction materials.

BSI Code: 2313-G

Description: Technical

Grade: Tallow

C.A.S. Number: 557-04-0

Storage Life: 24 months from date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity.

Handling Precautions: Please refer to the Magnesium Stearate Safety Data Sheet.

TYPICAL PROPERTIES

Oxide (%)	7.2 - 8.0
Moisture (max %)	4.0
Free Fatty Acid (max %)	1.5
Bulk Density (g/l)	140 - 180
Melting Point (°C)	130 - 145
% Thru 200 Mesh	98.0

CFR REFERENCES:

2313-G Magnesium Stearate is suitable for use in food packaging applications in accordance with the following FDA Code of Federal Regulations:

21CFR172.863 - Salts of fatty acids.

21CFR173.105 - Foods for special dietary use.

21CFR173.340 - Defoaming agents.

21CFR175.300 - For use in resinous and polymeric coatings.

21CFR176.170 - Components of paper and paperboard in contact with aqueous and fatty foods.

21CFR176.180 - Components of paper and paperboard in contact with dry food.

21CFR176.200 - Defoaming agents used in coatings.

21CFR176.210 - Defoaming agents used in the manufacture of paper and paperboard.

21CFR178.3130 - Antistatic and/or antifogging agents in food-packaging materials.

21CFR179.45 - Packaging materials for use during the irradiation of prepackaged foods.

21CFR181.29 - Stabilizers.

21CFR184.1440 - Magnesium stearate.

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