

MGS	Technical Datasheet
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Chemical Name	MAGNESIUM STEARATE	
Grade Name	MGS	
CAS No.	557-04-0	
HS Code	29157090	
EINECS No.	209-150-3	
Molecular Formula	C36H70MgO4	
Synonyms	<ul style="list-style-type: none"> • Magnesium Octadecanoate 	
TEST	SPECIFICATION	METHOD
% Ash	7-9	ASTM D2584, D5630
Melting Range (Degrees C)	130-150	Melting Point Apparatus (Open Capillary Tube Method)
Bulk Density - Tapped @25°C (gm/ cm3)	250	Graduated Cylinder
% Magnesium	4-5	AAS
Loss On Drying %	Max 5.5	Thermogravimetry
Heavy metals (Pb, Hg, As)	Max 10	AAS / ICP / Titration
% Chloride	Max 0.1	Titration
Sulphate as Na2S2O4 %	Max 1	Titration
Free / Excess fatty acid %	Max 1.5	Titration
Particle size Residue on 325 mesh %	Max 0.5%	Sieve Analysis

Product Information:

- Magnesium Stearate is used as a dusting powder, and lubricant in making tablets.
- Magnesium Stearate is used as drier in paints and varnishes.
- Magnesium Stearate is used as flattening agent, a stabilizer for lubricants and plastics.
- Magnesium Stearate is used in rubber and plastic industries as processing aid and release agent.
- Magnesium Stearate is used as an efficient colorant, an anti-caking agent, and a bulking agent in cosmetics.
- Magnesium Stearate is used as emulsifier for cosmetics.
- Magnesium Stearate prevents surface adhesion in ABS plastic.

Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: Magnesium stearate is approved for use in food contact material as per the following chapter headings.

Title: 21- FOOD AND DRUGS
 Chapter: I-FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES
 Subchapter: B - FOOD FOR HUMAN CONSUMPTION (CONTINUED)
 Part: 184-DIRECT FOOD SUBSTANCES AFFIRMED AS GENERALLY RECOGNIZED AS SAFE
 Subpart: B - Listing of Specific Substances Affirmed as GRAS
 Section: 184.1440 Magnesium stearate.

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Title: 21- FOOD AND DRUGS

Chapter: I-FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES

Subchapter: B - FOOD FOR HUMAN CONSUMPTION (CONTINUED)

Part: 175 INDIRECT FOOD ADDITIVES: ADHESIVES AND COMPONENTS OF COATINGS

Subpart: B - Substances for Use Only as Components of Adhesives

Section: 175.105 - Adhesives, 175.125 - Pressure-sensitive adhesives.

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Title: 21- FOOD AND DRUGS

Chapter: I-FOOD AND DRUG ADMINISTRATION DEPARTMENT OF HEALTH AND HUMAN SERVICES

Subchapter: B - FOOD FOR HUMAN CONSUMPTION (CONTINUED)

Part: 177- INDIRECT FOOD ADDITIVES: POLYMERS

Subpart: B-Substances for Use as Basic Components of Single and Repeated Use Food Contact Surfaces

Section: 177.2260 - Filters, resin-bonded, 177.2600 - Rubber articles intended for repeated use.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contract arising in connection with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or for use for which implantation within human body is intended.