

WS-116

Technical Datasheet

Chemical Name	WOLLASTONITE	
Grade Name	WS-116	
CAS No.	13983-17-0	
HS Code	25309050	
EINECS No.	237-772-5	
Molecular Formula	CaSiO ₃	
Synonyms	<ul style="list-style-type: none"> • Mineral Calcium Metasilicate • CALCIUM METASILICATE 	
TEST	SPECIFICATION	METHOD
Appearance	White crystalline fine micronized powder	Visual
Bulk Density - Untapped @25°C (gm/ cm ³)	0.8 gm/ ml	Graduated Cylinder
Bulk Density - Tapped @25°C (gm/ cm ³)	1.0 gm/ ml	Graduated Cylinder
pH (10% solution)	7-9	pH meter
Moisture %	Max 0.5%	Oven drying at 105 Deg (3-12) hours.
SiO ₂ %	50-51%	XRF / AAS / ICP
Al ₂ O ₃ %	0.5-0.75%	XRF / AAS / ICP
Particle Size D50 Microns	Max 2 Microns	Particle Size Analyzer (Wet Method)
Particle Size D99 Microns	Max 20 Microns	Particle Size Analyzer (Wet Method)

Product Information:

- Wollastonite is used in coatings as an extender pigment, and to provide resistance to flash and early rust
- Its acicular nature imparts film durability and superior scrub resistance.
- Wollastonite provides smooth flow, water resistance, improved wet adhesion, and good gloss in epoxy powder coatings.
- Wollastonite is used as a reinforcing filler in plastics because of its low oil and moisture absorption.
- Wollastonite provides high brightness and acicularity, and can be used with a variety of surface treatments.
- High aspect ratio wollastonite is a lower cost alternative in the manufacture of friction products such as clutches, brake linings and brake pistons.
- Wollastonite is a white reinforcing filler in adhesives, sealants, and rubber where it can be used at high loadings.

Product Handling & safety:

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

Product Registration: Wollastonite is approved for use in food contact plastics and is listed under Calcium Metasilicate Mineral.

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

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 contact rising 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.