



MATERIAL SAFETY DATA SHEET

TALC POWDER

Section 1 Identification of the substance and the producer/supplier

Product Name / Synonyms	Talc / Talcum / steatite / soapstone / hydrous magnesium silicate
Grades	Powder 25 µM (Micron)
Application of the Product	Paper, paints, coatings, plastics, and ceramics industries.
Producer / Supplier	MAYN
Address	306 Square Towers, Cairo - Egypt
Phone	+201009990773
Inquiry Office	+201143338880
Email	info@mayntrade.com
Emergency Call	+201143338880

Section 2 Composition/Ingredients

Chemical Composition

IUPAC Name	Chemical Formula	Weight (%)
Silicon dioxide	SiO ₂	60.0%
Magnesium oxide	MgO	30.0%
Calcium oxide	CaO	2.50%
Iron (III) oxide	Fe ₂ O ₃	1.50%
Aluminum oxide	Al ₂ O ₃	1.00%
Phosphorus pentoxide	P ₂ O ₅	0.02%
Sodium oxide	Na ₂ O	0.01%
Potassium oxide	K ₂ O	0.01%
Titanium dioxide	TiO ₂	0.01%
Loss in Ignition	L.O.I.	5.00%

Section 3 Possible Hazard Risks

Classification according to directive 67/548/EEC	not hazardous
Classification according to directive 98/24/EEC	not hazardous
Classification according to (EC) No 1272/2008	This substance does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.
Inhalation	This product contains crystalline silica, Silicosis – Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Lung Cancer – Crystalline silica (quartz) inhaled is classified by IARC as a carcinogen. Tuberculosis Silicosis increases the risk of Tuberculosis. Autoimmune and Chronic Kidney Disease – Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Non-Malignant Respiratory Diseases (other than Silicosis) – Some studies show an increased incidence in chronic bronchitis and emphysema in workers exposed to respirable crystalline silica. Inhalation will cause irritation to the lungs and mucus membrane

MAYN

Address: 306 Square Towers, Cairo – Egypt

Phone: +2 0114 333 888 0 / +2 0100 999 0 773

Email: info@mayntrade.com Website: www.mayntrade.com



MATERIAL SAFETY DATA SHEET

TALC POWDER

Eye Contact	Dust or powder may irritate eye tissues. Irritation to the eyes will cause watering and redness.
Effects of Overdose	This product contains small amounts of crystalline silica. Acute Effects: short term exposure to silica may result in mild to temporary discomfort in the respiratory tract (similar to nuisance dust). Short term exposure to excessive amounts of silica may cause severe inflammation of the lungs possibly coupled with fluid in the lungs, resulting in shortness of breath and low blood oxygen levels. Excessive inhalation of crystalline silica in a short time is a serious health concern. Chronic Effects: long term exposure (10 years - 30 years), may result in pulmonary fibrosis (silicosis). Aggravates bronchitis, asthma and emphysema.
Skin Absorption	Not known
Skin Contact	Dust or powder may irritate. Reddening, scaling, and itching are characteristics of skin inflammation.
Danger for nature	Not dangerous
During handling and processing of talc powder, respirable crystalline silica dust < 5 µm may be generated. Crystalline silica dust < 5 µm is classified as hazardous.	

Section 4 First aid measures

Inhalation	Provide fresh air.
Eye contact	Rinse cautiously with water for several minutes.
Skin contact	Rinse skin with water/shower.
Ingestion	Rinse mouth. Call a doctor if you feel unwell.

Section 5 Fire-fighting measures

Flammability	Not flammable
Extinguishing media	Co-ordinate firefighting measures to the fire surroundings water, foam, dry extinguishing powder, ABC-powder
Combustion products	Non-combustible.
Fire-fighting procedures	In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.
Fire/explosion hazards	Not explosive

Section 6 Accidental release measures

Personal precautions	Control of dust.
Environmental precautions	Keep away from drains, surface and ground water.
Methods for cleaning up	Dry product should be cleaned with a shovel or vacuum cleaner while wearing the personal protective equipment described above. Do not discharge into drains, watercourses or onto the ground. Washing the floor with water is not recommended since it may cause the floor to become slippery. However, if talc is already wet, and only in this case, the floor should be thoroughly flushed with water to remove all slipperiness. Place in appropriate containers for disposal.

Section 7 Handling and storage

Safe handling advice	Minimize dust generation and accumulation. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment. Keep away from food, drink and animal feedingstuffs.
Storage	Store in a dry place. Keep the product dry and in closed containers. Store it in a cool and well ventilated space. Observe hints for combined storage.

MAYN

Address: 306 Square Towers, Cairo – Egypt

Phone: +2 0114 333 888 0 / +2 0100 999 0 773

Email: info@mayntrade.com Website: www.mayntrade.com



MATERIAL SAFETY DATA SHEET

TALC POWDER

Requirements for store rooms/receptacles

Use local and general ventilation. Recommended storage temperature: 15 – 25 °C

Do not store in common with

Don't store with oxidizing agents

Section 8

Exposure Controls / Personal Protection

Exposure Limit Values

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, and respirable crystalline silica dust). In the U.S., the ACGIH OEL (Occupational Exposure Limit) for talc containing no asbestos fibers and less than 1% crystalline silica is 2 mg/m³ respirable fraction measured as an 8-hour TWA (Time Weighted Average). The OSHA exposure limit for talc is 20 mppcf Permissible Exposure Limit (PEL) TWA. For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

Occupational exposure controls

Use exhaust ventilation, if required, to maintain dust concentration below recommended exposure limits.

Respiratory Protection

Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P1 (filters at least 80 % of airborne particles, colour code: White).

Hand Protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

- type of material NBR (Nitrile rubber)
- material thickness >0,11 mm
- breakthrough times of the glove material >480 minutes (permeation: level 6)

Body/Skin Protection

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Eye Protection

Use safety goggle with side protection.

Ventilation Protection

Use exhaust ventilation

Additional protective methods

Keep away from drains, surface and ground water.

Section 9

Physical and chemical properties

Appearance		Shape	Solid
		Color	White or off white to light grey powder
		Odor	Odorless
Specific gravity	0.55 g/cm ³		
Bulk density	2.5 g/cm ³		
Whiteness	> 88%		
Oil absorption	40		
Hardness (Moh's)	1		
PH	7.2%		
Moisture content	0.4%		
Melting point/freezing point	900 – 1.000 °C		
Chlorite	12%		
Carbonate	4%		
Asbestos	Nil		

MAYN

Address: 306 Square Towers, Cairo – Egypt

Phone: +2 0114 333 888 0 / +2 0100 999 0 773

Email: info@mayntrade.com Website: www.mayntrade.com



MATERIAL SAFETY DATA SHEET

TALC POWDER

Section 10 Stability and reactivity	
Reactivity	This material is Inert and not reactive under normal ambient conditions.
Chemical stability	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid	Keep away from heat. Decomposition takes place from temperatures above: >1.000 °C
Materials to avoid	There is no additional information.
Hazardous decomposition products	Hazardous combustion products: see section 5.
Section 11 Toxicological information	
Acute toxicity	<u>Shall not be classified as:</u> acutely toxic, corrosive/irritant to skin, seriously damaging to the eye or eye irritant, a respiratory or skin sensitiser, germ cell mutagenic, carcinogenic, a reproductive toxicant, a specific target organ toxicant (single exposure), nor presenting an aspiration hazard.
Section 12 Ecological information	
This product is an inorganic substance and therefore is not considered biodegradable. Shall not be classified as hazardous to the aquatic environment. Does not significantly accumulate in organisms.	
Section 13 Disposal Considerations	
Waste treatment methods	Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations, and please Consult the appropriate local waste disposal expert about waste disposal. Do not empty into drains.
Relevant provisions relating to waste	The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. Waste catalogue ordinance. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.
Section 14 Transport information	
Not classified as hazardous or dangerous according to transport regulations. Non-environmentally hazardous acc. to the dangerous goods regulations Avoid dust spreading by using tight tanks for powders and covered trucks for pebbles.	
Section 15 Regulatory information	
General	No EC-classification in 67/548/EC Annex 1 No EC-classification in (EC) No 1272/2008
Industrial Safety and Health Law	This product does not contain harmful or controlled hazardous substances under ISHL. It contains <1% crystalline silica.
Toxic Chemical Control Act	This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.
Dangerous Substance Management Law	This product does not contain chemical substances regulated under DSML.
Waste Management Law	Dispose of this product in accordance with the waste treatment standards prescribed in Waste Management Law.
Section 16 Other Information	

MAYN

Address: 306 Square Towers, Cairo – Egypt

Phone: +2 0114 333 888 0 / +2 0100 999 0 773

Email: info@mayntrade.com Website: www.mayntrade.com



MATERIAL SAFETY DATA SHEET

TALC POWDER

Disclaimer: Talc powder from MAYN is a natural product. Grinding or milling procedures are not carried out during preparation. Talc powder is not hazardous. So this Material Safety Data Sheet is made voluntarily. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement. The information presented in this section describes exclusively the safety requirements for the product(s) and is based on the present level of knowledge. It does not constitute a guarantee for the characteristics of the described product(s) as defined by the legal warranty regulations.

Talc powder is a prepared natural product. All data are approximate values and do not represent any warranty

October 2024

MAYN

Address: 306 Square Towers, Cairo – Egypt

Phone: +2 0114 333 888 0 / +2 0100 999 0 773

Email: info@mayntrade.com Website: www.mayntrade.com