Material Safety Data Sheet

Section 1: Identification of the material and producer

Product	Talc powder ,Magnesium Silicate Hydrate
Product uses	Paints, Adhesives, Paper and other applications
Chemical formula	$Mg_3Si_4O_{10}(OH)_2$
Trade names	ASCOM T8, ASCOM T10, ASCOM T15, ASCOM T20
Producer	ASCOM for Carbonate and Chemicals Manufacturing
Address	48 El Nasr Street, New Maadi, Cairo, Egypt. P.O. Box: 120 New Maadi Postal Code: 11435 Cairo - Egypt. Tel.: 002-02-25177980 / 25177981 Fax.: 002-02-25203373

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture	The product is not classified as dangerous according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC
Label elements	The product does not need to be labelled in accordance with EC directives or respective national laws.
Other hazards	Mechanical irritation of the eyes is possible.

Section 3: COMPSOITION /INFORMATION ON INGREDIANTS

INGREDIENTS	Name	CAS
	Talc	14807-96-6
	Natural Talc	
	Ground with non-hazardous auxiliary agents	

Section 4: FIRST AID MEASURE

Description of first aid measures **Inhalation Skin contact**	Remove person to fresh air. If signs/symptoms continue, get medical attention. Remove contaminated clothing and shoes. Wash off with plenty of water. Get medical attention if symptoms occur.

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Ingestion	Immediately give large quantities of water to drink. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	Dust contact with the eyes can lead to mechanical irritation. Cough.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

Section 5 : FIREFIGHTING MEASURES

Flammability	Non-flammable, non-combustible substance
Extinguishing media	
Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.
Extinguishing media which must not be used for safety reasons	None.
Special hazards arising from the substance or mixture	None
Advice for firefighters	No special precautions required.
Hazard code	Not regulated

Section 6: ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing dust.
Environmental precautions Methods	No special environmental precautions required.
and materials for containment and cleaning up	- Pick up and arrange disposal without creating dust. - Keep in properly labelled containers. Keep container closed. - Do not store near acids. - After cleaning, flush away traces with water.

Reference to other sections	For personal protection see section 8. SECTION 13: Disposal considerations

Section 7 : HANDLING AND STORAGE

HANDLING:

- Avoid generating airborne dust during handling and storage.
- Avoid heavy or prolonged dust inhalation (See TWA Section 8).
- Engineering dust controls should be used ahead of, or in combination with the wearing of
- appropriate respiratory protection.

STORAGE:

- Store in original packaging, under dry conditions.
- Keep fine products stored in closed containers. Avoid the generation of airborne dust.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Threshold limits	Inorganic dust 10 mg/m3(8 h)
Other information on limit values	No information available.
Limit values in other countries	No information available.
DNELs	• Workers/Inhalation/Chronic exposure/Systemic effects = 10 mg/m³ • Consumers/Oral/Acute exposure/Systemic effects = 6,1 mg/kg bw/day • Consumers/Oral/Chronic exposure/Systemic effects = 6,1 mg/kg bw/day • Consumers/Inhalation/Chronic exposure/Systemic effects = 10 mg/m³
PNECs	Water: Non-hazardous substance Sediment: Non-hazardous substance Microbiological Activity in Sewage Treatment Systems: NOEC = 100 mg/l, AF=10 Soil: Non-hazardous substance Air: Non-hazardous substance
Exposure controls	
Appropriate engineering controls	Minimize dust generation and accumulation. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use with local exhaust ventilation. Apply technical measures to comply with the occupational exposure limits. Remove and wash contaminated clothing before re-use.
Individual protection measures	

- **Respiratory protection** Respirator with a particle filter (EN 143): P1, P3
- **Hand protection** Protective gloves: PVC, Neoprene, Natural Rubber.

- **Eye/face protection** Safety goggles.

- **Skin protection** Protective suit.
- **Hygiene measures** Wash hands and face before breaks and immediately after handling the product.

- **Environmental exposure controls** Dispose of rinse water in accordance with local and national regulations.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	**Light to dark green, brown, white, grey, colorless**
Odour	Odourless
Odour threshold	No data available
Density	2.7 g/ml
Melting point/freezing point	No data available
Initial boiling point and boiling range	Not applicable
Flash point	No data available
Solubility in Water	Insoluble
Evaporation rate	No data available
Flammability (solid, gas)	The product is not flammable. Method N1, N4
Explosive properties	
• **Lower explosion limit**	No data available
• **Upper explosion limit**	No data available
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	No data available
Decomposition temperature	No data available
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidising properties	None

SECTION 10 : STABILITY AND REACTIVITY DATA

Stability: Stable

Reactivity in Water	None
Hazardous Polymerization	Will not occur
Incompatibility (Material to Avoid)	No Reacts with acids to liberate carbon dioxide. Ignites on contact with fluorine. Also incompatible with alum and ammonium salts.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD 50 oral, rat = > 5000 mg/kg
Skin Corrosion/Irritation	Data not available
Serious Eye Damage/Irritation	Data not available
Respiratory or skin Irritation	Inhalation of dust may cause discomfort in the upper respiratory tract. Prolonged and repeated inhalation of excessive dust may permanently affect the respiratory system. Prolonged and repeated exposure may cause skin dehydration and irritation skin conditions.
Germ cell mutagenicity	Data not available
Carcinogenicity	Data not available
Reproductive toxicity	Data not available
STOT – single Exposure	Data not available
STOT – repeated Aspiration hazard	Data not available

Section 12: Ecological information

Persistence & Degradability	Not readily degradable, except in acid conditions where it tends to have a neutralizing effect.
Bio accumulative Potential	Talc is a naturally occurring inorganic compound which has constituent elements that make up natural components of biological organisms.
Mobility in soil	Talc is practically insoluble, and so presents a low soil mobility in most ground. Moreover it is commonly used as an effective soil conditioner and fertilizer.

Section 13: DISPOSAL CONSIDERATION

Dispose of in appropriately licensed general landfill site in accordance with local, state and federal regulations. Waste should be bagged and labelled.
Special arrangements made to bury bulk waste upon dumping, limiting dust generation.

Section 14: TRANSPORTATION INFORMATION

Identification:	Not applicable
Special Provisions for Transport:	Talc is not classified as dangerous for transport (ADR (Road), RID (Rail), IMDG / GGV Sea (Sea)
UN Number	None allocated
Proper shipping name	None allocated
GGVSee/IMDG CODE	None allocated
GGVE/GGVS	None allocated
RID/ADR	None allocated
ICAO/IATA-DGR	None allocated
ADNR	None allocated

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture National occupational exposure limits, Section 8.

TSCA

- This product primarily is natural talc is listed on the U.S. EPA TSCA inventory. In addition, all other ingredients and/or processing aids are also on the TSCA inventory.

DSL

- By virtue of its status as a “substance occurring in nature”, ground limestone is considered to be on the Canadian Domestic Substances List. In addition, all other ingredients and/or processing aids are also on the DSL.

CONEG

- this product may contain incidental trace levels of naturally occurring metals. However, no metals are intentionally added, and this product complies with the CONEG requirement of <100 ppm of Cd, Cr+6, Pb, and Hg.

ODCs

- This product does not contain, nor is it produced with, any U.S. EPA-defined Class I or Class II ozone-depleting chemicals.

FDA

- This product may be used as an indirect food additive in food packaging applications under 21 CFR (FDA) 174.5, 175.300, and 178.3297. It does not qualify as a substance permitted for direct addition to human food or animal feed.

Poisons Schedule: Not a scheduled poison (Standard for the Uniform Scheduling of Drugs and Poisons No.22)

Section 16: OTHER INFORMATION

Europe/EU:	EINECS listed under No. 215-279-6
USA	TSCA Inventory listed under CAS No. 1317-65-3
Canada:	Limestone is exempt from the PDSL (naturally occurring substance).
Australia:	NICNAS AICS under CAS-No. 1317-65-3
Japan:	MITI registered under 1-122-122

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People's Rep. of China:	CAS - 1317-65-3
South Korea:	CAS - 1317-65-3
New Zealand:	Exempt under HSNO

Key legend abbreviation

(ADR (Road)	European Agreement concerning the International Carriage of Dangerous Goods by Road
RID (Rail),	Regulation concerning the International Carriage of Dangerous Goods by Rail
IMDG/GGV sea code	Code or International Maritime Dangerous Goods Code
IBC Code	International standard for the safe carriage in bulk by sea of dangerous chemicals and noxious liquid substances
MARPOL73/78	the International Convention for the Prevention of Pollution from Ships
DNELs	Derived No Effect Level
PNECs	Predicted No Effect Concentration
AF	Assessment Factor
EINECS	European Inventory of Existing Commercial Substances
TSCA	Toxic Substances Control Act
PDSL	Pesticide Data Submitters List
NICNAS	National Industrial Chemicals Notification and Assessment Scheme
AICS	Australian Inventory of Chemical Substance
HSNO	Hazardous Substances and New Organisms
STOT-SE	Specific target organ toxicity – single exposure