

SAFETY DATA SHEET

DOCUMENT # GN-ATC00011-04-D

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Reviewed and approved
Date: May 19, 2015
Version: 1.0



Product(s):	All Raw, Milled and Blended Talc Series				
First Created:	April 15, 2015	Last Review:	August 8, 2015	Next Review:	May 2016

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name: Talc
REACH Registration number: Exempted in accordance with Annex V.7
Trade names:

AMTAL C Series – C-88, C-92, C-98, C-300, CB-2773, CB-4060

AMTAL D Series – 400A-D, 600A-D

AMTAL G Series – GP-L

AMTAL H Series – 200-HB, 400A-HB, 500A-HB, 600A-HB

AMTAL L Series – 200-LB, 400A-LB, 500A-LB, 600A-LB, 9400A-LB

AMTAL M Series – 200-MB, 400A-MB, 500A-MB, 600A-MB

(Additional products may be added to the series and therefore will be covered by this SDS until the next review and publication).

1.2 Relevant identified uses of the substance or mixture and uses advised against

This product is used as a functional mineral in the production process of the ceramics, plastics, paint, coatings, rubber, and asphalt industries.

1.3 Details of the supplier of the safety data sheet

American Talc Company
PO Box 1048 – Exit 129 Off Interstate 10
Van Horn, Texas 79855 USA
Phone 432-283-2330
Fax 432-283-2569

www.americantalc.com

1.4 Emergency telephone number

Emergency telephone number: 432-283-2330
Hours of operation: 0700 -1730 CST (M-F)

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Talc and Dolomite

Classification (EC 1272/2008): Physical and chemical hazards: not classified
Human health: not classified
Environment: not classified

Classification (67/548/EEC): Not classified

This product should be handled with care to avoid dust generation.

Quartz (0 - 3.5%)

GHS-US classification

Acute Tox. 4 H332

STOT SE 3 H335

STOT RE 1 H372

Full text of H-phrases: see section 16

2.2 Label elements

Label element in accordance with Regulation (EC) No 1272/2008

- Pictogram:



- Signal word (GHS-US): Warning
- Hazard statements: H316 – Causes mild skin irritation
H332 – Harmful if inhaled
H335 – May cause respiratory irritation
- Precautionary statements: P261 – Avoid breathing dust/fume/gas/mist/vapors/spray

2.3 Other Hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

MINERAL NAME	CAS Number	EC Number	% wt/wt	Classification (GHS-US)
TALC (Magnesium Silicate)	14807-96-6	238-877-9	50 – 100	No classification
DOLOMITE (Magnesium Calcium Carbonate)	16389-88-1	240-440-2	0 – 30	No classification
QUARTZ (Crystalline Silica)	14808-60-7	238-878-4	0 – 3.5	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372

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This product does not contain detectable amounts of asbestos fibers as defined by the US Occupational Safety and Health Administration (OSHA) and the European Directive 83/477/EEC, when analyzed by conventional methods. This statement is based upon verification by certified independent laboratories using Polarized Light Microscopy (PLM), Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), and Energy-Dispersive X-ray Spectroscopy (EDX).

3.2 Impurities

This product does not contain any classified impurities.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If irritation of nose or throat develops, move away from source of exposure and into fresh air; if irritation persists or breathing difficulties develop seek immediate medical attention.

Eye Contact: Flush the affected eye(s) with clean water or saline rinse while holding the eyelids open; if irritation or redness develops, seek medical attention.

Skin Contact: Wash with soap and water and apply a moisturizing lotion. Broken skin can be cleansed with mild soap and water; if irritation or redness develops and persists, seek medical attention.

Ingestion: No treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Symptoms of acute accidental exposure are non-specific and similar to the inhalation of any dust that is not toxic; such symptoms may include coughing, wheezing, difficulty breathing and upper respiratory tract irritation. Long-term excessive exposures may lead to severe and permanent damage to the lungs. **WARNING:** This product contains crystalline silica. Long-term overexposure to crystalline silica may lead to cardiopulmonary impairment.

Eye Contact: As with most dusts or particulate materials, talc can cause temporary discomfort and irritation if accidentally introduced into the eye.

Skin Contact: Prolonged direct exposure can cause drying of skin, but no adverse effects are known as a consequence of application to unbroken skin.

Ingestion: This material is considered to be harmless and inert when ingested.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

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Hazardous combustion products: None under normal conditions

5.3 Advice for firefighters

Special firefighting procedures: No specific firefighting procedures given

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet.

6.2 Environmental precautions

No special requirements.

Contain spillage and clean up as indicated below.

6.3 Methods and material for containment and cleaning up

Provide adequate ventilation. If the product is clean and dry, shovel, vacuum or sweep up and return to container for use or disposal. Use caution on wet floor, as it may be slippery.

6.4 Reference to other sections

For personal protection see section 8. For waste disposal see section 13.

SECTION 7: HANDLING AND STOCKING

7.1 Precautions for safe handling

Talc, like all fine powders can create dust when handled. Keep all floors, workstations, stairs and handrails clean and dry. Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a clean and dry place and in tightly closed containers.

7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Follow workplace regulatory exposure limits for all types of airborne dust. For the national regulations about the Occupational Exposure Limit (OEL) of talc powder: see section 15.1.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne particles

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below the exposure limit. Apply organizational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye protection:

Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eye.

Skin protection:

No specific requirement. For hands, see below.

Hand protection:

Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.

Respiratory protection:

In case of prolonged overexposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation.

8.2.3 Environmental exposure controls

Avoid wind dispersal.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Powder or rock
Color:	POWDERS: Dark Gray (almost black) to white ROCKS: All colors including black to white
Odor:	Earthy
Odor threshold:	Not Relevant
pH:	~9
Melting Point/freezing point:	> 1300°C
Flammability (solid, gas):	Nonflammable
Upper/lower flammability or explosive limits:	Not explosive. Limits do not apply.
Relative density:	2.5 – 2.8 g/cm ³
Solubility:	
Solubility in Water:	Negligible
Solubility in hydrofluoric acid:	Yes
Auto-ignition temperature:	Not applicable
Decomposition temperature:	> 950°C
Explosive properties:	Not explosive
Oxidizing properties:	Not oxidizing

9.2 Other information

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No other information

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Inert, not reactive
Chemical stability:	Chemically stable
Possibility of hazardous reactions:	No hazardous reactions
Conditions to avoid:	None
Incompatible materials:	None known
Hazardous decomposition products:	None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects Information on the likely route of exposure:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	No adverse effects expected, however, large amounts may cause nausea and vomiting.
Eye contact:	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. Eye contact may cause physical irritation to the eyes.
Skin contact:	Contact with skin may result in irritation. Repeated exposure may cause skin dryness or cracking.
Inhalation:	Breathing in dust may result in respiratory irritation.

Talc (14807-96-6) ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers).

Quartz (14808-60-7) ACGIH: A2 - Suspected Human Carcinogen NIOSH: potential occupational carcinogen NTP: Known Carcinogen (Select Carcinogen) IARC: Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

The toxicity of crystalline silica is directly proportional to the ability of any particle to reach the lower respiratory tract. Particles with an aerodynamic diameter below 10 microns are likely to be most harmful to humans, as they reach the lower respiratory tract and are less readily removed by the lungs.

SECTION 12: ECOLOGICAL INFORMATION

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12.1 Toxicity

No data are available on this product.
No specific adverse effect known

12.2 Persistence and degradability

No data are available on this product.
Product is an inorganic substance and therefore is not considered biodegradable.

12.3 Bioaccumulative potential

Not relevant

12.4 Movility in soil

Negligible

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No specific adverse effects known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products:	Talc is not hazardous waste; dispose of in accordance with local, state and federal regulations.
Packaging:	Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by in compliance with local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number

Not relevant

14.2 UN proper shipping name

Not relevant

14.3 Transport hazard class(es)

RID/ADR (Int'l. Regulation for Transport of Dangerous Products)	NOT LISTED
DOT (Department of Transportation Classification)	NOT HAZARDOUS
DOT (Department of Transportation Proper Shipping Name)	NOT REGULATED
BC Code (Code of Safe Practice for Solid Bulk Cargos)	NOT HAZARDOUS

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IMGD (Int'l Code for Dangerous Products)
UN (Classification for Dangerous Products)

NOT HAZARDOUS
NOT LISTED

14.4 Packing Group

Not relevant

14.5 Environmental hazards

Not relevant

14.6 Special precautions for user

No special precautions

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture

National legislation/requirements:

Occupational Exposure Limits (OEL) for talc powder: Austria 5 mg/m³ , Belgium 2 mg/m³ , Bulgaria mg/m³ , Czech Republic 2 mg/m³ , Denmark 5 mg/m³ , Finland 5 mg/m³ , France 5 mg/m³ , Germany 2 mg/m³ , Greece 2 mg/m³ , Hungary 2 mg/m³ , Ireland 0.8 mg/m³ , Italy 2 mg/m³ , Lithuania 1 mg/m³ , Luxembourg 2 mg/m³ , Netherlands 0.25 mg/m³ , Norway 2 mg/m³ , Poland 1 mg/m³ , Portugal 2 mg/m³ , Romania 2 mg/m³ , Slovakia 2 mg/m³ , Slovenia 2 mg/m³ , Spain 2 mg/m³ , Sweden 1 mg/m³ , Switzerland 2 mg/m³ , UK 1 mg/m³ , US 2 mg/m³.

International legislation/requirements:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. This product may contain silica, requiring workplace environmental monitoring.

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 SDML.

Waste Management Law: Ensure to dispose of in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws:

The following inventories have been investigated as to the publicly available portion of the lists:

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Mineral	CAS	EINECS (EU)	AICS (Australia)	CEPA (DSL/NDSL) (Canada)	KECI Korean Gazette No. (Korea)	ENCS/IS HL/MITI (Japan)	IECSC (China)	PICCS (Philippines)	TSCA (USA)	NZIoC (New Zealand)
Talc	14807-96-6	238-877-9	Yes	Yes (DSL)	KE-32773	Yes	Yes	Yes	Yes	Yes
Dolomite	16389-88-1	240-440-2	Yes	Yes (DSL)	KE-13036	Yes	Yes	Yes	Yes	Yes
Quartz	14808-60-7	238-878-4	Yes	Yes (DSL)	KE-29983	Yes	Yes	Yes	Yes	Yes

OSHA Hazards

Quartz – Carcinogen, Target Organ Effect, Toxic by inhalation

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

SARA 311/312

Acute Health Hazard, Chronic Health Hazard

Under the State's Right to Know Act, Quartz (Crystalline Silica) CAS #14808-60-7, may appear on an individual State's hazardous substance list. Please consult the individual State guidelines for proper handling.

California Proposition 65 Components

WARNING! This Product contains a chemical (crystalline silica) known to the state of California to cause cancer.

15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7.

SECTION 16: OTHER INFORMATION

LEGAL DISCLAIMER: While the information contained in this SDS is believed to be reliable, no guarantees are made as to its accuracy or completeness. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The conditions of use, handling, storage and disposal and the suitability of the products are assumed by the user. We expressly disclaim all warranties of every kind and nature, express or implied, including the warranties of merchantability and fitness for a particular purpose.