

Material Safety Data Sheet

Material Name: TALC USA

ID: TALC USA

* * * Section 1 - Chemical Product and Company Identification * * *

Chemical Name: Magnesium Silicate Hydrate, Ferrous Oxide, Manganese Oxide

Product Use: Seed Treatment, Seed Coating, Nutrient Source

Synonyms:

Manufacturer Information

TALC USA
1710 141st Ave SE
Page, ND 58064

General Comments

* * * Section 2 - Composition / Information on Ingredients * * *

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Silica, crystalline (general form).

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue.

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

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* * * Section 3 - Hazards Identification * * *

Phone: Chemtrec 1-800-424-9300

Emergency # +1-760-476-3962 (USA) Access Code: 333336

Potential Health Effects: Inhalation

Long-term excessive exposures may cause Talcosis, a pulmonary fibrosis, which in turn may lead to severe and permanent damage to the lungs. **WARNING:** This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

Medical Conditions Aggravated by Exposure

No information available for the product.

Potential Environmental Effects

No significant environmental effects.

HMIS Ratings: Health: 1* Fire: 0 Reactivity: 0 Pers. Prot.: E

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

First Aid: Eyes

First Aid: Skin

First Aid: Ingestion

First Aid: Inhalation

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None identified.

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Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

Evacuation Procedures

None necessary

***** Section4-FirstAidMeasures *****

*** * * Section 5 - Fire Fighting Measures * * ***

*** * * Section 6 - Accidental Release Measures * * ***

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Special Procedures

No additional information available.

Handling Procedures

Avoid getting this material into contact with your skin and eyes.

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Storage Procedures

Store in a cool, dry, well-ventilated area.

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum.

B: Component Exposure Limits Talc (238-877-9)

ID: TALC USA

Appearance: Physical State: Vapor Pressure: Boiling Point: Solubility (H2O):

Chemical Stability

White Powder **Odor:** None **Solid pH:** N/A

* * * Section 8 - Exposure Controls / Personal Protection * * *

* * * Section 9 - Physical & Chemical Properties * * *

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

*** Section 7-Handling and Storage ***

N/A
N/A Insoluble

Vapor Density: N/A **Melting Point:** Unknown

Specific Gravity: 2.8

ACGIH: 2 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)

OSHA: 2 mg/m³ TWA (<1% Crystalline silica, containing no Asbestos, respirable dust) NIOSH: 2 mg/m³ TWA (containing no Asbestos and less than 1% Quartz, respirable dust)

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Quartz (238-878-4)

ACGIH: 0.025 mg/m³ TWA (respirable fraction) OSHA: 0.1 mg/m³ TWA (respirable dust)

NIOSH: 0.05 mg/m³ TWA (respirable dust)

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

- **** Section 10 - Stability & Reactivity ****

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Incompatibility

Hazardous Decomposition

Hazardous Polymerization

Will not occur.

Acute and Chronic Toxicity A: General Product Information

No information available for the product.

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B: Component Analysis - LD50/LC50 Quartz (238-878-4)

Oral LD50 Rat 500 mg/kg

Carcinogenicity

A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity Talc (238-877-9)

*** * * Section 11 - Toxicological Information * * ***

ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers)

IARC: Monograph 93 [in preparation] (inhaled); Supplement 7 [1987]; Monograph 42 [1987] (Group 3 (not classifiable))

*** * * Section 12 - Ecological Information * * ***

Quartz (238-878-4)

ACGIH: A2 - Suspected Human Carcinogen NIOSH: potential occupational carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Monograph 100C [in preparation] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources); Monograph 68 [1997] (Group 1 (carcinogenic to humans))

Ecotoxicity

A: General Product Information

This material is not expected to be harmful to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity Talc (238-877-9)

96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]

Environmental Fate

This material shows no bioaccumulation or food chain concentration toxicity potential.

US EPA Waste Number & Descriptions A: General Product Information

No components are identified as hazardous wastes.

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B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

*** * * Section 13 - Disposal Considerations * * ***

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Disposal Instructions

*** * * Section 14 - Transport Information * * ***

If this material becomes a waste it does not meet the criteria of a hazardous waste as defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification.

US DOT Information

Shipping Name: None necessary. **Additional Info.:** None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

US Federal Regulations

A: General Product Information

US TSCA and Canadian DSL - All naturally occurring components (e.g. chlorite-group minerals) of this product are automatically included in the USEPA TSCA Inventory per 40 CFR 710.4 (b) as well as the Canadian Domestic Substances List. All other components are specifically listed on the USEPA TSCA Inventory List and the Canadian Domestic Substances List.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No **State Regulations**

A: General Product Information

Other state regulations may apply. Check individual state requirements.

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B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

* * * Section 15 - Regulatory Information * * *

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Talc	238-877-9	Yes	No	Yes	Yes	Yes	Yes	No
Quartz	238-878-4	No	No	Yes	Yes	Yes	Yes	No
Manganese Oxide	1344-43-0	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Iron Oxide	1309-37-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Class D, Division 2, Subdivision A

B: Component Analysis - Inventory

C: Component Analysis - WHMIS IDL

Other Information

Component/CAS	EC #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Talc 14807-96-6	238-877-9	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes
Chlorite-group minerals 1318-59-8	215-285-9	No	No	No	Yes	No	Yes	No	Yes	No	Yes
Quartz 14808-60-7	238-878-4	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Manganese Oxide 1344-43-0		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes
Iron Oxide 1309-37-1		Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

Component	CAS	Present
Quartz	238-878-4	Yes

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*** * * Section 16 - Other Information * * ***

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Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; DOT = Department of Transportation; RCRA = Resource Conservation and Recovery Act

This is the end of MSDS

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Prepared by Plant Research Services, LLC