

# SAFETY DATA SHEET

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

Chemical Name: Magnesium Silicate Hydrate

Product Use: Mineral Additive

Synonyms: CIMTUFF® 9100 Series Talc & 9100 W Series Talc, CIMTALC® Series Talc, CLEAR-BLOC ® Talc Series, CLEAR-BLOC 100C® Talc Series, FLEXTALC® Talc Series, ELITETALC® Talc 2000 USP, ELITETALC® Talc 3000 USP, ELITETALC® Talc 4000 USP, ELITETALC® Talc 5000 USP, ELITETALC® Body Powder Talc, NANO-FLEX, RP 9400® Series, Jet Mill Feed, SAS 3.

Manufacturer Information (Corporate)

CIMBAR Performance Minerals

Phone: 1-800-852-6868

49-0 Jackson Lake Rd.

Chatsworth, Ga. 30705

\* \* \* Section 2 - Hazards Identification \* \* \*

Signal Word: Warning

GHS Classification: Eye, skin, respiratory irritant (Category 4)

OSHA\MSHA Hazards: Nuisance Dust

Pictogram: Irritant



Hazard Statements:

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.

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

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

\* \* \* Section 3 - Composition / Information on Ingredients \* \* \*

CAS #	Component	Percent (wt/wt)
14807-96-6	Talc	60-100
1318-59-8	Chlorite-group minerals	1-5
14808-60-7	Quartz	0.1-1.0

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### 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).

### \*\*\* Section 4 - First Aid Measures \*\*\*

First Aid: Eyes- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin- For skin contact, wash immediately with soap and water.

First Aid: Ingestion- Product is not considered toxic in small amounts.

First Aid: Inhalation- Move person to non-contaminated air.

First Aid: Notes to Physician- Provide general supportive measures and treat symptomatically.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

General Fire Hazards: This material will not burn.

Hazardous Combustion Products: None identified.

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

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

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.

Special Procedures: No additional information available.

### \*\*\* Section 7 - Handling and Storage \*\*\*

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

Storage Procedures: Store in a cool, dry, well-ventilated area.

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

#### Exposure Guidelines:

##### A: General Product Information

Keep formation of airborne dusts to a minimum.

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### B: Component Exposure Limits

#### Talc (14807-96-6)

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

OSHA: 2 mg/m3 TWA (respirable dust, less than 1% crystalline silica)

NIOSH: 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)

#### Quartz (14808-60-7)

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 (PPE):

Eyes/Face- Wear dust goggles.

Skin- Use impervious gloves.

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

General- Eye wash fountain and emergency showers are recommended.

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

**Appearance:** White Powder  
**Physical State:** Solid  
**Vapor Pressure:** N/A  
**Boiling Point:** N/A  
**Solubility (H2O):** Insoluble

**Odor:** None  
**pH:** N/A  
**Vapor Density:** N/A  
**Melting Point:** Unknown  
**Specific Gravity:** 2.8

### \* \* \* Section 10 - Stability & Reactivity \* \* \*

Chemical Stability: Stable under normal conditions.

Chemical Stability: Conditions to Avoid- None.

Incompatibility: None identified.

Hazardous Decomposition: None identified.

Hazardous Polymerization: Will not occur.

### \* \* \* Section 11 - Toxicological Information \* \* \*

#### Acute and Chronic Toxicity:

A: General Product Information- No information available for the product.

B: Component Analysis - LD50/LC50

Quartz (14808-60-7)

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Oral LD50 Rat: 500 mg/kg

**Carcinogenicity:**

A: General Product Information- Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity

Talc (14807-96-6)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers); A1 - Confirmed Human Carcinogen (containing asbestos fibers)

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

Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen

NIOSH: potential occupational carcinogen

NTP: Known Human 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))

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

**Ecotoxicity:**

A: General Product Information- This material is not expected to be harmful to aquatic life.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Talc (14807-96-6)

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

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

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

**US EPA Waste Number & Descriptions:**

A: General Product Information- No components are identified as hazardous wastes.

B: Component Waste Numbers- No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions:**

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.

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

US DOT Information: Not regulated.

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

\* \* \* **Section 15 - Regulatory Information** \* \* \*

**US Federal Regulations:**

A: General Product Information

TSCA - All naturally occurring components of this product are automatically included in the USEPA

TSCA Inventory List per 40 CFR 710.4 (b). All other components are on the USEPA TSCA Inventory List.

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FDA - 1. Generally acceptable for use in vanilla powder and vanilla-vanillin powder under food standards 21 CFR 169.179 and 169.182. 2. Generally Recognized As Safe as an anticaking agent in table salt up to 2% (21 CFR 182.2437). 3. Generally approved for use as a pigment or colorant under 21 CFR 175.300, 175.380, 175.390, 176.170, 177.1210, 177.1350, and 177.1460. 4. Generally approved for use as a colorant in polymers (21 CFR 178.3297). Generally approved for use as a colorant only as components of paper and paperboard in contact with aqueous fatty foods (21 CFR 176.170).

**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.

**B: Component Analysis - State**

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

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Talc	14807-96-6	Yes	No	Yes	Yes	Yes	Yes	No
Quartz	14808-60-7	No	No	Yes	Yes	Yes	Yes	No

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.

**Other Regulations:**

**A: General Product Information**

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

**B: Component Analysis - Inventory**

Component	CAS #	TSCA	DSL	EINECS	AICS	PICCS	ENCS	KECI	IECSC	NZIoC
Country		USA	Canada	Europe	Aust.	PHIL.	Japan	Korea	China	New Zealand
Talc	14807-96-6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chlorite-group minerals	1318-59-8	No*	No*	Yes	No*	Yes	Yes	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

No\*- There exists a broad category for naturally occurring chemicals, so these minerals are covered by definition, but not specifically listed.

**C: Component Analysis - WHMIS IDL**

Component	CAS	Present
Quartz	14808-60-7	Yes

15.1 Chemical Safety Assessment- REACH: Exempted from REACH registration in accordance with Annex V.7

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