

SAFETY DATA SHEET

This SDS complies with OSHA HazCom Standard 29 CFR 1910.1200 (GHS), Canadian Workplace Hazardous Material Information System (WHMIS), Mexico NOM-018-STPS-2015

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification

Product Form: Mixture
 Chemical Name: Magnesium Silicate Hydrate Product
 Product Name(s):
 Flexalc Series: Nanoflex, Nanoflex-D, Performaflex-A, Performaflex-AD, 610/612, 610D/612D, 815/815D.
 Clear-Bloc Series: 100, 100-S, C(D), 80, 80-S
 Cimtuff Series: 9102, 9103W, 9103, 9103-S, 9103-C, 9107, 9110, 9115
 Cimtalc Series: 2, 3, 3-S, 3-C, 7, 15
 Elite Series: Body Powder, 2000 USP, 3000 USP, 4000 USP, 5000 USP
 RP Series: 9310, 9305, 9410, 9405
 Other: SAS

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Use of Substance/Mixture: Mineral additive for use in paper, paints, ceramics, plastics, personal care, etc.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer Information (Corporate):

CIMBAR Performance Minerals
 49-0 Jackson Lake Rd.
 Chatsworth, Ga. 30705

Phone Number: 1-800-852-6868

Fax Number: 1-706-517-0516

SECTION 2 - HAZARDS IDENTIFICATION


2.1 Classification of the Substance/Mixture

GHS-US Classification:

Carcinogenicity Category 1A	H350
Full Text of H Statements	sees Section 16

2.2 Label Elements:

GHS-US Labeling

Hazard Pictogram (Health Hazard)		
Signal Word	Danger	
Hazard Statements	H350	May Cause Cancer (Inhalation)
Precautionary Statements	P201- P202- P260- P280- P308+P313- P405-	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Do not breathe dust Wear protective gloves, protective clothing, eye protection, face protection If exposed or concerned- get medical attention/advice Store locked up

SAFETY DATA SHEET

2.3 Other Hazards

Other Hazards not contributing to the classification: Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

2.4 Unknown Acute Toxicity (GHS-US)

Not applicable.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture:

Component	CAS Number	%	EC Number	Classification
Talc (hydrous magnesium)	14807-96-6	>95	238-877-9	No
Quartz	14808-60-7	<0.50	238-878-4	Carc. 1A, H350 STOT SE 3, H335 STOT SE 1, H370

Full text of hazard classes and H-statements: see Section 16

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures:

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice, show the label where possible.
Inhalation:	Move person to non-contaminated air. If symptoms develop, obtain medical attention.
Skin Contact:	Remove affected clothing and wash the exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.
Eye Contact	In case of contact with eyes, rinse immediately with plenty of water for several minutes.
Ingestion	Drink plenty of water. Never give liquid to an unconscious person

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

After Inhalation:	May cause irritation to the respiratory tract.
After Skin Contact:	Repeated and/or prolonged exposure skin contact may cause irritation.
After Eye Contact:	May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment: No additional information available.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
 Unsuitable Extinguishing Media: None known.

5.2 Special Hazards arising from the substance or mixture

Fire Hazard: None known.
 Reactivity: Stable under normal conditions.

5.3 Advice for Firefighters

Protection during Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection (N95 minimum).

SAFETY DATA SHEET

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, personal protective equipment (PPE) and emergency procedures:

Use proper PPE. NIOSH approved respirators are recommended. Spilled materials may cause slippery conditions when wet. Care should be taken when walking on spills on floor or concrete pads.

6.1.1 For non-emergency personnel

Protective Equipment: Use personal protective equipment as required.

Emergency Procedure: Evacuate unnecessary personnel. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust.

6.1.2 For emergency responders

Protective Equipment: Wear suitable protective clothing, gloves, eye or face protection. Where excessive dust may result, wear approved dust respirator.

Emergency Procedures: Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Wear independent breathing equipment.

6.2 Environmental Precautions

Notify authorities if large amounts of the product enter sewers or public waters.

6.3 Methods and material for containment and cleanup

Dry product should be cleaned with a shovel or vacuum cleaning system while wearing the PPE described above. Do not discharge into drains or water contributories. Washing the floor with water is NOT recommended since it may cause slippery conditions. If the floor is already wet, and only in this case, the floor should be thoroughly flushed with water to remove the slippery conditions.

6.4 Reference to other sections

Section 8: Exposure controls/personal protection.

Section 13: Disposal considerations.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling: Minimize dust generation and assimilation. If excessive dust is generated, provide adequate ventilation and use proper personal protective equipment.

7.2 Conditions for safe storage: Keep the product dry and in closed containers. Store it in a cool and well-ventilated area.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Talc (14807-96-6)		
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³
OSHA	OSHA PEL (mg/m ³)	2 mg/m ³ Respirable Fraction
OSHA	Remark (OSHA)	(3) see Table Z-3
Quartz (fine fraction) 14808-60-7		
ACGIH	ACGIH TWA (mg/m ³)	0.025 mg/m ³ Respirable Fraction
OSHA	OSHA PEL	0.1 mg/m ³
OSHA	Remark (OSHA)	(3) see Table Z-3

SAFETY DATA SHEET

8.2 Exposure Controls

Appropriate engineering controls: Use exhaust ventilation, if possible, to reduce the dust concentration to recommended exposure limits.

Personal Protective Equipment: Avoid unnecessary exposure.

Eye Protection: Wear side shield safety glasses or goggles.

Hand Protection- Rubber gloves are recommended for prolonged exposure.

Respiratory Protection- Use NIOSH approved dust respirators.

Other Information: Do not eat, drink or smoke during use.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Solid

9.1 Appearance:	White, tan or light grey powder.
9.2 Odor:	Odorless
9.3 pH:	8.5-9.5 (10% Solution)
9.4 Melting Point:	>1300° C
9.5 Flammability (solid, gas):	Not flammable
9.6 Upper/Lower Flammability or Explosive Limits:	Not explosive. Limits not applicable.
9.7 Relative Density:	2.58-2.83 g/cm ³
9.8 Solubility: Solubility in water	Negligible
Solubility in hydrofluoric acid	Yes
9.9 Decomposition Temperature:	>1000° C
9.10 Explosive Properties:	Not explosive
9.11 Oxidizing Properties:	Non-oxidizing

SECTION 10 - STABILITY & REACTIVITY

10.1 Reactivity: Stable under normal conditions.

10.2 Chemical Stability: Stable under normal conditions.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Dust formation.

10.5 Incompatible Materials: None.

10.6 Hazardous Decomposition Products: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Acute Toxicity: Not classified.

Skin Corrosion/Irritation: Not classified.

Serious Eye Damage/Irritation: Not classified.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenic Status: May cause cancer (Inhalation).

SAFETY DATA SHEET

Talc (14807-96-6)	
IARC Group	Inhaled talc not containing asbestos or asbestos fibers: 3- Not classifiable.
National Toxicology Program (NTP) Status	Not listed by NTP, ACGIH, OSHA, or NIOSH

Quartz (fine fraction) (14808-60-7)	
IARC Group	1- Carcinogenic to humans

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (single exposure): Not classified.

Specific Target Organ Toxicity (repeated exposure): Not classified.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: May cause irritation to respiratory tract.

Symptoms/Injuries after skin contact: Repeated and/or prolonged skin contact may cause irritation.

Symptoms/Injuries after eye contact: May cause eye irritation.

Other Information:

IARC: In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers is not classifiable as a human carcinogen (Group 3). IARC ruled that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies to one specific use of talc.

NTP: In 2000, NTP reviewed both “talc containing asbestiform fibers” and “talc not containing asbestiform fibers” and did not list either type in light of continuing uncertainty in the scientific literature. The NTP did not consider the ovarian cancer studies in the evaluation of talc not containing asbestiform fibers because it was unclear if the talc used in these studies might have been contaminated with asbestos. 66 Fed. Reg. 13,334 (March. 5, 2001)

U.S. FDA: In 2009-2010, U.S. FDA conducted a survey of currently marketed cosmetic products containing talc- as well as talc in the cosmetic products, and found no asbestos fibers or structures. FDA continues to monitor new information concerning talc safety. There are epidemiology studies on this subject in reported literature that should be consulted for further information.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology- General: Not classified.

Talc (14807-96-6)	
LC50 Fish	>100 g/l Brach danio rerio

12.2 Persistence and Degradability

Talc (14807-96-6)	
Persistence and Degradability	Not relevant for inorganic substances

12.3 Bio-accumulative Potential

Talc (14807-96-6)	
Bio-accumulative Potential	Not relevant for inorganic substances

12.4 Mobility in Soil

Talc (14807-96-6)	
Ecology-Soil	No information available

12.5 Other adverse effects: No specific adverse effects known.

SAFETY DATA SHEET

SECTION 13 - DISPOSAL CONSIDERATIONS

- 13.1 Waste Treatment Methods:** Talc is not considered a hazardous waste as defined by the US EPA RCRA (40 CFR 261) regulations. Observe all applicable federal, state and local regulations when handling, storing or disposing of this substance.
- 13.2 Disposal of Packaging:** Where possible, recycling is preferable to disposal. Recycling and disposal of packaging should be done by an authorized waste management company in compliance with local regulations. Responsibility for proper waste disposal lies with the waste owner.

SECTION 14 - TRANSPORT INFORMATION

- 14.1 US Department of Transportation (DOT):** Not regulated.
- 14.2 Canadian Transportation of Dangerous Goods:** No classification assigned.
- 14.3 Land Transport- ADR/RID:** No classification assigned.
- 14.4 Air Transport- IATA/ICAO:** No classification assigned.
- 14.5 Maritime Transport- IMDG:** No classification assigned.
- 14.6 Harmonized Tariff Code:** Talc- crushed or powdered. 2526.20.00.
- 14.7 EPA TSCA 12(B) Export Notification:** Not listed.

SECTION 15 - REGULATORY INFORMATION


15.1 US Federal Regulations

This product or mixture does not contain a toxic or chemicals is excess of the applicable minimal concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Talc (14807-96-6)
Listed on the United States TSCA (Toxic Substances Control Act) Inventory

Quartz (fine fraction) (14808-60-7)
Listed on the United States TSCA (Toxic Substances Control Act) Inventory

15.2 US State Regulations

California Proposition 65:  **WARNING-** This product can expose you to chemicals including silica, crystalline, which is known in the state of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Quartz (fine fraction) (14808-96-6)			
US-California-Prop 65- Carcinogens List	US- California- Prop 65- Developmental Toxicity	US- California- Prop 65- Reproductive Toxicity (Female)	US- California- Prop 65- Reproductive Toxicity (Male)
Yes	Yes	Yes	No

SAFETY DATA SHEET

TALC (14807-96-6)
New Jersey- Right to Know Hazardous Substance List Pennsylvania- Right to Know List Massachusetts- Right to Know List

Quartz (14808-60-7)
New Jersey- Right to Know Hazardous Substance List Pennsylvania- Right to Know List Massachusetts- Right to Know List

15.3 International Regulations:

Canada

TALC	
WHMIS Classification	Class D Division 2 Subdivision 2- Very toxic material causing other toxic effects

EU Regulations: No additional information available

National Regulations

TALC
All naturally occurring components of this product are automatically included in the US-EPA TSCA inventory list per 4- CFR 710.4(b). All other components are on the US-EPA TSCA inventory list.
-Generally acceptable for use in vanilla powder and vanilla-vanillin powder under food standards 21 CFR 169.179 and 169-182.
-Generally approved for use as a colorant only as components of paper and paperboard in contact with aqueous fatty foods (21 CFR 176.170).
-Generally recognized as safe as an anti-caking agent in table salt up to 2% (21 CFR 182.2437).
-Generally approved for use as a pigment or colorant in the manufacture of articles which come into contact with food, under the following citations: 21 CFR 174.5(d), 175.105, 175.125, 175.300(b)(3)(xivi), 175.320, 175.380, 175.170(b)(2), 176.180(b)(2), 176.180(b)(1), 176.200, 177.1210, 177.1350, 177.1460, 177.2600(c)(1), 182.70, 182.90.
-Generally approved for use in olefin polymers used in the manufacture of articles which come into contact with foods under 21 CFR 177.1520.

TALC (14807-96-6)
Listed on IARC (International Agency for Research on Cancer)

Quartz (fine fraction) (14808-96-6)
Listed on IARC (International Agency for Research on Cancer)

15.4 Other regulations based on domestic or foreign laws: The following inventories have been investigated as to the publicity available portion of the lists.

Component	CAS #	TSCA	DSL\NDL	EINECS (EU)	AICS	KECI	CSNN
Country		USA	Canada	Europe	Aust.	Korea	Taiwan
Talc	14807-96-6	Yes	Yes (DSL)	Yes	Yes	Yes	Yes
Quartz (fine fraction)	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes

Component	CAS #	ENCS/ISHL	IECSC	PICCS	Swiss ID No.	NZIoC
Country		Japan	China	Philippines	Switzerland	New Zealand
Talc	14807-96-6	Yes	Yes	Yes	Yes	Yes
Quartz (fine fraction)	14808-60-7	Yes	Yes	Yes	Yes	Yes

15.5

SAFETY DATA SHEET

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

15.6 Other Pertinent Classifications/Regulations:

Clean Air Act: Ozone depleting chemicals (ODC): None

CONEG Approved Packaging: Yes

SECTION 16 - OTHER INFORMATION

16.1 References and Sources:

Data Sources: US OSHA HazCom (GHS) May 25, 2012.

Full text of H-phrases:

H335	May cause respiratory irritation
H350	May cause cancer
H370	Causes damage to organs

NFPA (National Fire Protection Association) Ratings:

Health Hazard:	1	Exposure could cause irritation but only minor residual injury even if no treatment is given
Fire Hazard	0	Materials will not burn
Reactivity	0	Normally stable, even under fire exposure conditions, and are not reactive with water

HMIS III Ratings:

Health Hazard:	1	Slight	Irritation or minor reversible injury possible. Chronic Hazard- Chronic (long-term) effects may result from repeated overexposure
Flammability	0	Minimal	Materials will not burn
Physical	E	Minimal	Materials are normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive.
Personal Protection	E		Safety glasses, gloves, dust respirator

Acronyms:

- 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

Other Information:

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SAFETY DATA SHEET

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