

MATERIAL SAFETY DATA SHEET

LUZENAC AMERICA, INC.
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 Greenwood Village, CO 80111
 1-800-325-0299 (General Information)

MEDICAL EMERGENCY INFORMATION
 Contact: 1-303-623-5716 (24 hr.)
 Rocky Mountain Poison Control Center

SECTION 1 – SUBSTANCE INFORMATION

SUBSTANCE: Talc

MOLECULAR FORMULA: 3MgO•4SiO₂•H₂O

CHEMICAL FAMILY: Silicate

PRODUCT and TRADENAMES: The data contained herein applies to Luzenac America talc products bearing the following names:

AC 1140	IMPERIAL 500 USP	MISTRON EG	SELECT-A-SORB COMP
ALTALC 200V USP	IMPERIAL 700 FCC	MISTRON FRC	SELECT-A-SORB COMP PF
ALTALC 300V USP	JETFIL 200	MISTRON FROST	SELECT-A-SORB P
ALTALC 400V USP	JETFIL 350	MISTRON MONOMIX	SELECT-A-SORB R
AQUATAL	JETFIL 350 C	MISTRON NT	SELECT-A-SORB ST
AQUATAL 002	JETFIL 500	MISTRON PA-100	SIERRA C400
ARTIC MIST	JETFIL 575 C	MISTRON PE	SILVERLINE 002
BEAVERWHITE 325	JETFIL 575 P	MISTRON PEF	SILVERLINE 202
CIMPACT 550	JETFIL 625 C	MISTRON RCS	SILVERLINE 202-GE
CIMPACT 550C	JETFIL 625 H	MISTRON RCS AC	SILVERLINE 303
CIMPACT 610	JETFIL 700 C	MISTRON RCS BULK	SILVERLINE 403
CIMPACT 610 HS COMP	JETFIL 7C	MISTRON RCS C	SILVERLINE 665
CIMPACT 610C	JETFIL FR4	MISTRON SUPERFROST	STEASILK 5 CH
CIMPACT 699	JETFIL FR6	MISTRON ULTRAMIX	STEAWHITE 2
CIMPACT 710	JETFIL P150	MISTRON VAPOR	STEAWHITE 60
CIMPACT 710 C	JETFIL P200	MISTRON VAPOR 6	STEAWHITE N60
CIMPACT 710 HS	JETFIL P350	MISTRON VAPOR COMP	STEAWHITE TS60
CIMPACT 710 R	JETFIL P500	MISTRON VAPOR DENSE	STELLAR 410
CIMPACT FR4	JETFIL T290	MISTRON VAPOR FR	STELLAR 420
CIMPACT FR6	JETFIL T390	MISTRON VAPOR R	STELLAR 450
ENGINEERED TALC	LUZENAC 1140	MISTRON VAPOR R COMP	STELLAR 450 HS
EZ FLOW	LUZENAC 8230	MISTRON VAPOR R DENSE	STELLAR 510
EZ FLOW 2C	LUZENAC R6	MISTRON VAPOR RE	STELLAR 610
EZ FLOW MT	LUZENAC R7	MISTRON VAPOR RE COMP	STELLAR 705F
EZ FLOW RM	MISTROFIL MT	MISTRON VAPOR RE DENSE	STELLAR EX
FCOR	MISTROFIL P403	MISTRON ZSC	STERILINE 320V
FDC	MISTROFIL PT	MISTRON ZSC DENSE	SUPRA H
GRADE 66	MISTRON 002	NICRON 002	SUPRA H USP
GRADE 910	MISTRON 100	NICRON 302	SUPRAFINO H
HELIOCOTE LE	MISTRON 100 COMP	NICRON 303	SUPRAFINO H USP
HELIOCOTE PT	MISTRON 101	NICRON 353	SUPREME H
HOM 325	MISTRON 102	NICRON 402	SUPREME H USP
HON F 325	MISTRON 102 COMP	NICRON 403	TALCOLIVA
HONC	MISTRON 353	NICRON 503	VERTAL 1000
IMPERIAL 1820L BC	MISTRON 400 C	NICRON 504	VERTAL 1500
IMPERIAL 1888L BC	MISTRON 403	NICRON 554	VERTAL 403
IMPERIAL 200	MISTRON 403B	NICRON 604	VERTAL 410
IMPERIAL 200 USP	MISTRON 504	NICRON 660	VERTAL C2 PLUS
IMPERIAL 250	MISTRON 554	NICRON 665	VERTAL CO PLUS
IMPERIAL 250 USP	MISTRON AB	NICRON 674	VERTAL CO PLUS DENSE
IMPERIAL 400	MISTRON CF12-X	OLYMPIC H	VERTAL SP
IMPERIAL 400 USP	MISTRON CF18-X	OLYMPIC H USP	YELLOWSTONE
IMPERIAL 400Y USP	MISTRON CF5A	R-TALC 6	YELLOWSTONE C
	MISTRON CF5A-M	R-TALC 7	YELLOWSTONE ORE

SECTION 2 – COMPONENTS

MAJOR: Talc – a hydrous magnesium silicate; CAS #14807-96-6 **CONCENTRATION:** ~98-100%

MINOR: Dolomite – a magnesium calcium carbonate; CAS #16389-88-1 <2%
 Chlorite – a magnesium aluminum silicate; CAS #1318-59-8 <2%
 Magnesite – a magnesium carbonate; CAS #546-93-0 <2%

SECTION 3 – EXPOSURE LIMITS

TALC OSHA - 20 mppcf PELTWA
 ACGIH - 2 mg/m³ TLV TWA (respirable dust)

SECTION 4 – FIRE, EXPLOSION & REACTIVITY

FIRE AND EXPLOSION HAZARD: None

FIRE FIGHTING MEDIA: None

FLASH POINT: None

REACTIVITY: Stable

INCOMPATIBILITIES: None

DECOMPOSITION: None hazardous

SECTION 5 – TOXICITY**TALC**

NIOSH Registry Number: WW2710000

SAX Toxicity Evaluation: THR: Not available

Carcinogenic Status:

IARC Cancer Review: Human Inadequate Evidence

IARC Cancer Review: Animal Inadequate Evidence

IARC: Not classifiable as a human carcinogen (Group 3)

OSHA: Not listed.

ACGIH: A4 – Not Classifiable as a Human Carcinogen

NTP: Not listed. A 2-year inhalation study demonstrated clear evidence of carcinogenic activity in female rats at exposure levels of 18 mg/m³. Some evidence of carcinogenic activity was observed in male rats at the same level. No evidence of carcinogenic activity was found in mice (NTP TR-421).

Tumorigenic Data:

TCLo: inh-rat 11 mg/m³/1Y-I

TDLo: imp-rat 200 mg/kg

Other Toxicity Data:

Skin and Eye Irritation Data: skn-hmn 300 ug/3D-I MLD

Teratogenicity (Reproductive Effects Data): Not available.

Mutation Data: Not available.

SECTION 6 – HEALTH EFFECTS AND FIRST AID**→ INHALATION**

ACUTE EXPOSURE: Exposure to a large concentration of air-borne dust of this material may cause mechanical irritation of the mucous membranes and respiratory tract.

CHRONIC EXPOSURE: Repeated or prolonged inhalation of air-borne dust of this material may cause scarring of the lungs (pulmonary fibrosis), with shortness of breath, chronic cough, and respiratory assisted heart failure. Prolonged exposure to talc can produce a symptomatic talc pneumoconiosis.

FIRST AID: Remove from exposure area to fresh air. If breathing has stopped, perform artificial respiration and get medical attention immediately. Keep person warm and at rest. Treat symptomatically and supportively.

→ SKIN CONTACT

ACUTE EXPOSURE: Direct contact may cause dryness, or may cause mild irritation if an allergic predisposition exists.

CHRONIC EXPOSURE: Prolonged contact may cause dryness of the skin, or may cause mild irritation if an allergic pre-disposition exists.

FIRST AID: Apply common skin moisturizers to relieve dryness. Irritations are uncommon; however, if irritation or redness develops, seek medical attention. Broken skin can be cleansed with mild soap and water.

→ EYE CONTACT

ACUTE EXPOSURE: Direct contact with dust may cause mechanical irritation of the eyes.

CHRONIC EXPOSURE: Repeated exposure may cause conjunctivae inflammation.

FIRST AID: Wash eyes with large amounts of water or normal saline solution. If irritation or redness develops, seek medical attention.

→ INGESTION

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

CHRONIC EXPOSURE: Repeated ingestion of large doses of talc for 13 and 10 successive days by rabbits and mice, revealed negative teratogenic and carcinogenic results.

FIRST AID: Treat symptomatically and supportively. If vomiting occurs, keep head lower than hips to prevent aspiration.

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SECTION 7 – PHYSICAL DATA

TALC

DESCRIPTION: A natural mineral; grayish-white powder with a slight earthy odor. **pH:** Slightly basic

DECOMPOSITION TEMPERATURE: 1652°-1832°F (900°-1000°C)

SPECIFIC GRAVITY (water = 1.0): 2.8

SOLUBILITY:

- Water: <1 mg/mL @ 21 C (RAD)
- Ethanol: <1 mg/mL @ 21 C (RAD)
- Acetone : <1 mg/mL @ 21 C (RAD)
- Cold acids: Insoluble
- Alkalies: Insoluble

SECTION 8 – STORAGE, DISPOSAL & ENVIRONMENTAL

STORAGE: Preserve in sealed containers to prevent dispersion of dust in air.

WASTE DISPOSAL: Dry material can be landfilled. Observe all federal, state and local regulations. Responsibility for proper waste disposal is with the owner of the waste.

CONDITIONS TO AVOID: Prevent dispersion of dust in air.

ACCIDENTAL SPILLS: For large spills, shovel or sweep up (while keeping dispersion of dust in air to a minimum) and place into suitable sealed containers for reclamation or later disposal. Residue should be cleaned up using a high-efficiency particulate filter vacuum. The use of water wash-down is not recommended. Wet material can cause a surface used for walking to become extremely slippery.

SECTION 313 SUPPLIER NOTIFICATION: This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

RCRA: Talc is not considered a hazardous waste by RCRA criteria (40 CFR 261). State and Local regulations/restrictions are complex and may differ from Federal regulations.

SECTION 9 – PROTECTIVE EQUIPMENT

VENTILATION: Provide local exhaust or process enclosure ventilation to meet published exposure limits.

RESPIRATOR: The following maximum-use concentrations and respirators are recommendations by the U.S. Department of Health and Human Services; NIOSH Pocket Guide to Chemical Hazards; or by the U.S. Department of Labor, 29 CFR 1910 subpart Z.

<u>Talc - Maximum-Use Concentration</u>	<u>Respirator</u>
10 mg/m ³	Any dust and mist respirator.
20 mg/m ³	Any dust and mist respirator except single-use and quarter-mask respirators.

GLOVES: Protective gloves are not required, but may be worn to prevent skin dryness or irritation due to skin allergy.

EYE PROTECTION: Employees should wear dust-resistant safety goggles to prevent eye contact with high concentrations of air-born dust of this substance. Where there is a possibility that an employee's eyes may be exposed to bulk quantities or high concentrations of air-born dust of this substance, the employer should provide an eye wash fountain within the immediate work area for emergency use.

SECTION 10 – ADDITIONAL INFORMATION

NPCA: National Paint and Coatings Association – Hazardous Material Identification System (HMIS)

- HEALTH HAZARD: 1*
- FLAMMABILITY HAZARD: 0
- PHYSICAL HAZARD: 0
- PERSONAL PROTECTION: E – glasses, gloves, dust respirator

CERCLA RATINGS: (Scale 0-3) Health = 0, Fire = 0, Reactivity = 0, Persistence = 3

NFPA RATINGS: (Scale 0-4) Health = 0, Fire = 0, Reactivity = 0

U.S. DEPARTMENT OF TRANSPORTATION - DOT: No classification assigned

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Group 1

CANADIAN TRANSPORTATION OF DANGEROUS GOODS: No classification assigned**LAND TRANSPORT - ADR/RID:** No classification assigned**AIR TRANSPORT - IATA/ICAO:** No classification assigned**MARITIME TRANSPORT - IMDG:** No classifications assigned**HARMONIZED TARIFF CODE:** Talc – crushed or powdered. 2526.20.00. (Stat. Suffix 00)**EPA TSCA STATUS:** Listed (CAS # 14807-96-6)**EPA TSCA 12(B) EXPORT NOTIFICATION:** Not listed**CEPA DOMESTIC SUBSTANCE LIST – DSL STATUS:** Listed**CEPA NON-DOMESTIC SUBSTANCE LIST – NDSL STATUS:** Not listed**OTHER INVENTORIES:**

AICS (Australian)

EINECS (European No: 238-877-9)

ECL (Korean No: KE-32773)

SWISS (Giftliste No: G-6939)

PICCS (Philippines)

MITI (Japan) – Exempt - not required for natural minerals

IECSC (China) - Listed

CALIFORNIA PROP 65 STATUS: Talc not listed**STATE RIGHT-TO-KNOW:** Talc listed – Illinois; Massachusetts; New Jersey; Pennsylvania; Florida**CLEAN AIR ACT - OZONE DEPLETING CHEMICALS (ODC's):** None**CONEG APPROVED PACKAGING:** Yes

DISCLAIMER

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END OF MSDS GROUP 1