

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 (currently under review). 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.

MATERIAL SAFETY DATA SHEET

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*- slight
- FLAMMABILITY HAZARD: 0 – minimal
- REACTIVITY HAZARD: 0 – minimal
- 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**CANADIAN WHMIS CLASSIFICATION:** D2b – Chronic Inhalation Hazard**OTHER INVENTORIES:**

AICS (Australian)
EINECS (European No: 238-877-9)
ECL (Korean No: KE-32773)
SWISS (Giftliste No: G-6939)
PICCS (Philippines)
MITI (Japan) – Not listed – (not required for natural minerals)

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

U.S. FDA CITATIONS: 21CFR 182.90
21CFR 182.70
21CFR 178.3297
21CFR 175.300
21CFR 175.380
21CFR 175.390
21CFR 176.170
21CFR 177.1210
21CFR 177.1350
21CFR 177.1460
21CFR 73.1550

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ISSUED BY: Richard J. Zazenski
Director Product Safety
Luzenac America, Inc.
Phone: 1-303-643-0404 Fax: 1-303-799-8926

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END OF MSDS GROUP 1
