

**MEDICAL EMERGENCY INFORMATION**

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

**SECTION 1 – SUBSTANCE INFORMATION****SUBSTANCE:** Talc**MOLECULAR FORMULA:** 3MgO•4SiO<sub>2</sub>•H<sub>2</sub>O**CHEMICAL FAMILY:** Silicate**PRODUCT and TRADENAMES:** The data contained herein applies to Luzenac America talc products bearing the following names:

|                   |                     |                     |
|-------------------|---------------------|---------------------|
| <b>EZ FLOW VT</b> | <b>GRADE KT1</b>    | <b>VERTAL 97</b>    |
| <b>EZ FLOW MB</b> | <b>GRADE TC 100</b> | <b>VERTAL MB</b>    |
| <b>GRADE 36</b>   | <b>GRADE TC 97F</b> | <b>VERTAL RG</b>    |
| <b>GRADE AB</b>   | <b>GRADE 7</b>      | <b>VERTAL 202</b>   |
| <b>Grade ABC</b>  | <b>VERTAL 77</b>    | <b>VERTAL 503</b>   |
| <b>GRADE C85</b>  | <b>VERTAL 92</b>    | <b>VERTAL 503D</b>  |
| <b>GRADE FG</b>   | <b>VERTAL 93 AB</b> | <b>VERTAL UA-40</b> |

**SECTION 2 – COMPONENTS**

**MAJOR:** Talc – a hydrous magnesium silicate; CAS #14807-96-6      **CONCENTRATION:** ~50-70%  
**MINOR:** Magnesite – a magnesium carbonate; CAS #546-93-0      ~30-45%  
 Chlorite – a magnesium aluminum silicate; CAS #1318-59-8      ~1-5%

**SECTION 3 – EXPOSURE LIMITS**

**TALC**                      OSHA - 20 mppcf PEL TWA  
                                  ACGIH - 2 mg/m<sup>3</sup> TLV TWA (respirable dust)

**MAGNESITE**            OSHA - 5 mg/m<sup>3</sup> PEL TWA (respirable dust)  
                                  ACGIH - 10 mg/m<sup>3</sup> TWA (inhalable particles)

**CHLORITE**              OSHA -- 5 mg/m<sup>3</sup> PEL TWA (respirable dust)<sup>1</sup>  
                                  ACGIH - 10 mg/m<sup>3</sup> TWA (inhalable particles)

<sup>1</sup> Particulates Not Otherwise Regulated (PNOR)    \* Particles Not Otherwise Specified (PNOS)

**SECTION 4 – FIRE, EXPLOSION & REACTIVITY****TALC****FIRE AND EXPLOSION HAZARD:** None**FIRE FIGHTING MEDIA:** None**FLASH POINT:** None**REACTIVITY:** Stable**INCOMPATIBILITIES:** Hot acids**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/m<sup>3</sup>. 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/m<sup>3</sup>/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.

**SECTION 7 – PHYSICAL DATA****TALC**

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

**DECOMPOSITION TEMPERATURE:** 1100°-1800°F (600°-1000°C)

**SPECIFIC GRAVITY (water=1.0):** 2.7-2.8

**SOLUBILITY in WATER:** Insoluble

**SECTION 8 – STORAGE, DISPOSAL & ENVIRONMENTAL**

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

**WASTE DISPOSAL:** Dry material can be land-filled. 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 <sup>3</sup> .....              | Any dust and mist respirator.  |
| 20 mg/m <sup>3</sup> .....              | 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-borne 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-borne 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

**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 – (exempt)

**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

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