

**MATERIAL SAFETY DATA SHEET**

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June 1, 2002

Group - Slurry

**LUZENAC AMERICA, INC.**  
9000 East Nichols Avenue  
Englewood, Colorado 80112  
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 Slurry**MOLECULAR FORMULA:**  $3\text{MgO}\cdot 4\text{SiO}_2\cdot \text{H}_2\text{O}$ **CHEMICAL FAMILY:** Silicate**SYNONYMS:** Talcum, Soapstone, Steatite**PRODUCT and TRADENAMES:** The data contained herein applies to Luzenac America talc products bearing the following names:

**HELIOCOTE PT SLURRY; HELIOCOTE MT SLURRY; LITHOCOTE PT SLURRY**  
**MISTRON PLUS SLURRY; MISTRON SLURRY;**  
**MISTRON VAPOR SLURRY; MISTRON 100 SLURRY**  
**MISTROFIL PT SLURRY**

**SECTION 2 - COMPONENTS****MAJOR COMPONENT:** Talc, CAS #14807-96-6**CONCENTRATION:** ~55-65%**MINOR COMPONENTS:** Water, CAS #7732-18-5  
Non-Hazardous Additives~35-45%  
<1%**SECTION 3 - EXPOSURE LIMITS**

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

**SECTION 4 - TOXICITY****TALC (Powder)****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/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: ihl-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 5 - HEALTH EFFECTS AND FIRST AID****→ SKIN CONTACT (Talc Slurry)****ACUTE EXPOSURE:** Direct contact 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 predisposition 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.

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**→ EYE CONTACT (Talc Slurry)**

ACUTE EXPOSURE: Direct contact may cause mild 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 (Talc Slurry)**

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 6 – FIRE , EXPLOSION & REACTIVITY****FIRE AND EXPLOSION HAZARD:** None**FIRE FIGHTING MEDIA:** None**FLASH POINT:** None**REACTIVITY:** Stable**INCOMPATIBILITIES:** None**DECOMPOSITION:** None hazardous**SECTION 7 – PHYSICAL DATA****DESCRIPTION:** White to grayish-white viscous slurry with faint, earthy odor.**SPECIFIC GRAVITY:** 1.7-2.1**pH:** Slightly alkaline**EVAPORATION RATE:** Equivalent to water**SECTION 8 - STORAGE, DISPOSAL & ENVIRONMENTAL****STORAGE:** Agitated or recirculating tank. Keep away from excessive heat. Keep from freezing.**ACCIDENTAL SPILL:** SPILL AREA WILL BE SLIPPERY. Wearing appropriate protective clothing and equipment, dike spill area to prevent product release, absorb with an inert absorbent material, (e.g. granular clay or sawdust), and shovel/sweep into covered containers for proper disposal. Small spills to the soil can be shoveled directly into disposal containers. In the event of a large spill, contact Luzenac America for guidance on available clean-up options.**NEUTRALIZING AGENT:** None required. Flush and dilute with water.**WASTE DISPOSAL:** Material can be sewered if quantities are small and diluted enough that slurries or gels will not cause drain system blockage. Talc is not a hazardous waste by RCRA criteria (40 CFR 261). Dry material can be landfilled. Observe all federal, state and local regulations. State and Local regulations/restrictions are complex and may differ from Federal regulations. Responsibility for proper waste disposal is with the owner of the waste.**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). Observe all federal, state and local regulations when storing or disposing of this substance. For assistance, contact the district director of the Environmental Protection Agency.**SECTION 9 – PROTECTIVE EQUIPMENT****VENTILATION:** No special ventilation required.**GLOVES:** Protective, waterproof gloves are not required, but may be worn to prevent skin dryness or irritation due to skin allergy.**EYE PROTECTION:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.**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

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

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

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**END OF MSDS GROUP - SLURRY**

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