

MATERIAL SAFETY DATA SHEET

PIONEER TALC

EFFECTIVE DATE: January 1, 2003

PREVIOUS ISSUE: November 1, 2000

REGULATORY COMPLIANCE:

- British Legislation, CHIP
- EC-directive 93/112/EC & 91/155/EC
- EC 67/548 (R51) & (R53)

- Canadian WHMIS
- US OSHA Hazard Communication Standard CFR 1910.1200

1. IDENTIFICATION OF THE SUBSTANCE/PREP. AND THE COMPANY

PRODUCT NAME: PIONEER TALC

MANUFACTURER'S NAME: SUZORITE MINERAL PRODUCTS, INC./ ZEMEX INDUSTRIAL MINERALS, INC.

ADDRESS: I-10 Exit 129, Allamore, TX 79855 USA **TELEPHONE NO.:** (915) 283-2330

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME: Talc

PRODUCTS NAMES: 767, MB-92, 1599, 2606, 2620, 2630, 2655,

2661, 2664, 2720, 2871, 2882, 2893, 4304, 4306, 4317, 4319, 4320, 4392, 4404, 4411, 4416.

CHEMICAL FAMILY: Magnesium Silicate **FORMULA:** Mg₃Si₄O₁₀(OH)₂

CAS No.: 14807-96-6

WEIGHT: 97-100 %

Pioneer talc is a naturally occurring mineral, which may contain varying amounts of the following minerals:

Chlorite: CAS # 1318-59-8, 0-2 %

Calcite: CAS # 13397-26-7, 0-2 %

3. HAZARDS IDENTIFICATION

- **Talc** is not listed as a carcinogen by OSHA, NTP or IARC however Pioneer talc contains crystalline silica at levels greater than 0.1 %, but less than 2 %. These levels are ' typical' and may change slightly with different lots.
- **CARCINOGENICITY:** OSHA, NTP or IARC do not list talc itself as a carcinogen. However, IARC Evaluation Of The Carcinogenic Risk To Humans, Volume 68, 1997 concludes that there is sufficient evidence of the carcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in Group 1, Carcinogenic to Humans. The National Toxicology Program's ("NTP's") Ninth Annual Report on Carcinogens 2000, lists crystalline silica (respirable) as a substance which is known to be a human carcinogen.
- **Note:** The state of California requires the following statement:

"Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer"

Controlled average exposures over a working day to 3 mg/m³ of respirable dust or less should be adequate to protect employee's health. Brief or occasional exposure should not cause special concern any more than to any other relatively inert dust.

- **CRYSTALLINE SILICA (QUARTZ) SiO₂**,

CAS NO. 14808-60-7

4. FIRST AID MEASURES

No special procedures are required. Some eye, mucous membrane and skin sensitivity may occur with allergic individuals. First aid consists of washing away dust. In case of discomfort by dust, move to a ventilated area and consult a physician.

Eyes: Wash eyes with large amount of water or saline solution. If irritation or redness develops, get medical attention.

Ingestion: Give large quantities of water to induce vomiting, keep head lower than hips to prevent aspiration. Get medical help.

5. FIRE-FIGHTING MEASURES

Talc is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Talc waste is not reactive, flammable or biodegradable. Use conventional means; e.g. sweeping, vacuum, etc. Use caution on wet floor, as it may be slippery.

7. HANDLING AND STORAGE

Avoid dust formation. Keep container tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

OSHA PEL

Table Z-3

20 mppcf (2 mg/cu. meter)

Quartz: (Respirable) 0.1 mg/cu. meter/%SiO₂

ACGIH TLV

RESPIRABLE DUST (TWA-8 Hours Period)

2 mg/cu. meter

(Respirable) 0.05 mg/cu. meter

The exposure limits of TALC are shown in Table Z-3-Mineral Dust, published by OSHA (29 CFR 1910.1000) USA.

RESPIRATORY PROTECTION: NIOSH approved dust respirator should be used when level exceeds TLV.

VENTILATION: Normal air circulation, use adequate ventilation for low TLV

LOCAL EXHAUST: Collect excessive dust at point of generation

PROTECTIVE GLOVES & EYE PROTECTION: Impermeable gloves and Eye protective glasses are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

DECOMPOSITION POINT: ~1000⁰ C (1830⁰ F) **SPECIFIC GRAVITY(WATER=1):** 2.5-2.8

SOLUBILITY IN WATER: Insoluble

% VOLATILE BY VOL: Non-Volatile

HARDNESS: 1 MOHS

APPEARANCE: White to Off-white powder

ODOR: Odorless

EVAPORATION RATE (BUTYL ACET.=1): N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

CONDITIONS TO AVOID: None

MATERIALS TO AVOID: Strong acids and alkalis

HAZARDOUS DECOMPOSITION PRODUCTS: None

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS (ACUTE & CHRONIC): May cause eye and skin irritation. Ingestion may cause gastrointestinal irritation, nausea and diarrhea.

Long term exposure to high amount of talc without the approved dust mask may lead to chronic cough and dyspepsia.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: No known effect on environment or expected under normal use.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Use normal solid waste, disposal methods to comply with Federal and local laws.

14. TRANSPORT INFORMATION

Not classified as dangerous material by DOT. No special precautions are required.

15. REGULATORY INFORMATION

Canadian WHMIS: D2A

CANADIAN DOMESTIC SUBSTANCES LIST: As a naturally occurring substance, talc is considered to be on the Canadian DSL.

CERCLA: 40 CFR Part 302, Table 302.4 Talc is not listed. Notification of the spill is not required.

EPA- TCLP: 40 CFR Part 261-24, appendix II-- Table 1, No noticeable amount of Toxic substances leaches out.

RCRA: Talc is not classified as a hazardous waste under Section 3001 of RCRA, and under regulation 40 CFR Part 261.4 (b)(7).

SARA TITLE III: This product is not subject to SARA Title III

TSCA CHEMICAL SUBSTANCES INVENTORY: Talc is listed, CAS # 14807-96-6

Conformance of Talc to FDA regulations: Please note that talc meets the FDA criteria covering the safe use of talc in articles intended for food contact use.

21 CFR 73.1550

Color Additive

21 CFR 175.300(b)(3)(xxvi)

Resinous and Polymeric Coatings

21 CFR 182.70 &

21 CFR 182.90

Food Contact Surface Component

Talc meets Food Chemical Codex (FCC) specifications and can be used as a direct or indirect food additive.

16. OTHER INFORMATION

NPCA / CPMA HMIS Ratings:

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 0

PERSONAL PROTECTION: E

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