

AMERICAN TALC COMPANY

MATERIAL SAFETY DATA SHEET

EFFECTIVE DATE: February 20, 2008

PREVIOUS ISSUE: March 21, 2007

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 29 CFR 1900.1200
- US OSHA Communication Standard 29 CFR 1910.1001

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

PRODUCT NAME: AMTAL

MANUFACTURER'S NAME: AMERICAN TALC COMPANY

ADDRESS: I-10 Exit 129, Allamore, TX 79855 USA

TELEPHONE NO: (432) 283-2330

2. COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL NAME: Talc

PRODUCTS NAMES: AMTAL-400-HB, AMTAL-400-MB, AMTAL-400-LB, AMTAL-500-HB, AMTAL-500-MB, AMTAL-500-LB, AMTAL-600-HB, AMTAL-600-MB, AMTAL-600-LB, AMTAL-C-88, AMTAL-C-92, AMTAL-C-98, AMTAL-C-300, AMTAL-200-LB, AMTAL 200-MB, AMTAL 200-HB, AMTAL CB-2773, AMTAL CB-40_60, AMTAL GP-L, AMTAL GP-D, AMTAL C-80, AMTAL 400-MB-C, AMTAL C-80

****ANALYSIS OF AMERICAN TALC PRODUCTS BY TEM, SEM, PLM, AND EDX HAVE VERIFIED THERE ARE NO ASBESTIFORM MINERALS PRESENT.**

CHEMICAL FAMILY: Magnesium Silicate FORMULA: $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$

CAS NO.: 14807-96-6

American 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%

Crystalline Silica (Quartz) SiO_2 CAS # 14808-60-7, 0.1-2.0%

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:** This product contains crystalline silica. Repeated, prolonged inhalation of dust may cause delayed lung injury, which may result in silicosis or pneumoconiosis. The International Agency For Research On Cancer in its publication, "IARC Monographs On the Evaluation Of The Carcinogenic Risk To Humans-Silica, Some Silicates, Coal Dust and Para-aramid Fibrils"-Volume 68, 1997 has concluded 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. In humans, a number of studies have found an association between lung cancer and exposure to dust containing respirable crystalline silica. While the IARC working group concluded there was sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite, it noted that carcinogenicity in human was not detected in all circumstances studied.
- **Note:** The state of California requires the following statements:
"Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer"
- **CRYSTALLINE SILICA (QUARTZ) SiO_2 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)

ACGIH TLV

RESPIRABLE DUST (TWA-8 Hours Period)

2 mg/cu. meter

Quartz: (Respirable) 0.1 mg/cu. meter/% SiO₂ (Respirable) 0.05 mg/cu. meter

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

RESPIRATORY PROTECTION: NIOSH approved duct 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: ~1000° C (1830° 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 approval dust mask may lead to chronic cough and dyspepsia.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects: No known effect on environment 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

17. LEGAL DISCLAIMER

While the information contained in this MSDS is believed to be reliable, no guarantee is made as to its accuracy or completeness. The conditions of use, handling, storage, and disposal, and the suitability of the product are assumed by the user. We expressly disclaim all warranties of every kind and nature, express or implied, including the warranties of merchantability and fitness for a particular purpose.