



August 5, 1986

TO: Tony Leung - FPD-Winchester

FROM: Lowell G. Wessa

SUBJECT: Talc/Tremolitic Talc and MSDSs of H., T. Vanderbilt
and Southern Talc Company

I am not sure where we stand on this. Some time back (late June) you sent our office the above two mentioned MSDSs on talc. One of our concerns was the mention of tremolite or tremolitic talc on both. One immediately associates this with asbestos.

The latest date shown on the Vanderbilt MSDS is 5/16/86. This MSDS is in good order (follows the revised OSHA MSDS format). I called Vanderbilt to discuss the term "tremolitic" talc and its general association with asbestos.

As explained to me there are several different types of talc, but most industrial talc is "tremolitic" or made from tremolite. Tremolite itself, even fibrous, is not considered acceptable for use as asbestos or in asbestos products. As a fiber, however, it is considered a carcinogen. Saying this another way, fibrous tremolite does not make an acceptable industrial asbestos product; however, in fibrous form it has all the health hazards associated with asbestos.

Mr. L. Harvey, whom I talked to at H. T. Vanderbilt (203/853-1400), stated their "tremolitic" talc is fiber-free and can be considered non-asbestos form. Their talc has undergone studies for fiber identification, mineralogy, etc. at the University of Maryland and toxicology/epidemiology by their own lab. They (Vanderbilt) will stand behind their research and have legal backing.

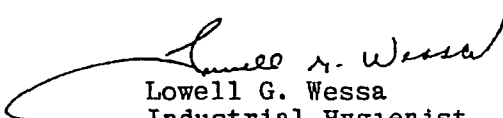
The Southern Talc Company MSDS received from you is another story. It is not dated and on the outdated OSHA Form 20. I called this company and talked to the receptionist. She indicated they had no chemist or lab to answer my questions but would try to put me in contact with the plant manager or sales representative. I declined this offer after I mentioned one of my questions was on their outdated MSDS. She said they had revised it recently, but not all of their customers had received it as yet. I received their revised MSDS recently and have attached a copy. It is greatly improved but still lacking. They have eliminated the word tremolite and stress

SPNY 005812

August 5, 1986

the "non-toxicity" and "nuisance" characteristics. I could assume their talc is made from tremolite based on discussion with Vanderbilt although my main objection would be to their reference as nuisance and non-toxic. Obviously, the OSHA PEL and ACGIH TLV are not that of a nuisance material.

In summary, at least the Vanderbilt talc is made from tremolite, but this does not mean it contains asbestos. Both companies show their product is not a carcinogen. Vanderbilt shows their product to be fiber-free/asbestos-free and can apparently back this up by research. Southern talc no longer even mentions the word tremolite nor is any mention made to fiber and handle the talc solely as a nuisance. I would guess from my phone call, Southern Talc has not done the "research" into the product that Vanderbilt has. Based on both MSDSs you should be able to handle either talc product as asbestos (fiber) free. If you use the Health Data and Precautions for Safe Handling from either MSDS for generation of your own MSDS, I suggest you use the Vanderbilt data rather than that of Southern Talc. Talcosis is a possibility from over-exposure as stated by H. T. Vanderbilt.


Lowell G. Wessa
Industrial Hygienist

LGW:EJ

Enc.

CC: Abex Gen. MSDSs-File
Southern Talc Co. - File
H.T. Vanderbilt - File

SPNY 005813

H.T. Vanderbilt Co.

(203) 853-1400 (Environmental Affairs)

6/20/86

J. Harney wants ask questions about NYTEL 200

Different types of talc - industrial talc mostly a tremulitic talc - tremulite as parent material.

Immobilized stuff, even fibers, is not considered as very talc for use as asbestos / asbestos products, as a fiber it is however a carcinogen as asbestos fibers.

(Vanderbilt filed a petition to "stay asbestos standard" - & argue as to ~~the~~ associating tremulite with true asbestos fibers, etc.)

This talc has ~~gone~~ undergone studies by Univ. of Maryland fiber identification, mineralogy, etc and their own toxicity / epidemiology testing.

They will stand by their research - (Have legal stuff backing).

It does not contain tremulite fibers (is fiber free).

It is not a carcinogen.

J. Harney familiar with new ^{asbestos} standard, OSHA 42 CFR 1910.104
MSDS info required (no carcinogenic material @ $\alpha > 0.1\%$)

over

SPNY 005814

H. T. VANDERBILT COMPANY, INC.
INDUSTRIAL MINERALS AND CHEMICALS
30 WINFIELD STREET
NORWALK, CT 06855
(203) 953-1400 FAX 710-468-2940

MATERIAL
SAFETY
DATA SHEET

RECEIVED

PAGE 1 OF 3

CUSTOMER INFO:

530010120

30905

JUN 30 1986

ABEX CORP

FRICTION PRODUCTS

2410 PAPERHILL ROAD

WINCHESTER

ABEX MEDICAL DEPT.

VA 22601

DATE: 05/16/86 REVISED: 01/31/86 SUPERSEDES: 11/25/85

I. PRODUCT IDENTIFICATION

ABD-55

G00051

TRADE NAME: NYTAL 99, NYTAL 100, NYTAL 100 HR, NYTAL 200, NYTAL 300,
NYTAL 300 H, NYTAL 400, CERAMITALC 10 AC, CERAMITALC HOT,
CERAMITALC NO. 1, CERAMITALC 10-A

CHEMICAL NAME: HYDROUS CALCIUM MAGNESIUM SILICATE MINERAL MIXTURE

SYNONYMS: INDUSTRIAL TALC, TREMOLITIC TALC

HAZARDOUS INGREDIENTS/OSHA: TALC (HYDROUS MAGNESIUM SILICATE),
CAS REG. NO. 14807-96-6

HAZARD: INHALATION

CARCINOGENIC INGREDIENTS/OSHA/NTP/IARC: NONE

II. WARNING STATEMENTS

DO NOT BREATHE DUST. PROLONGED INHALATION OF EXCESSIVE DUST
MAY CAUSE LUNG INJURY

III. PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR: WHITE POWDER VAPOR PRESSURE: N/A

DENSITY, KG/CU M: 2.85 VAPOR DENSITY: N/A

SOLUBILITY IN WATER: NONE VOLATILES: NONE

BOILING POINT: N/A EVAPORATION RATE: N/A

REGISTERED IN U.S. PATENT AND TRADEMARK OFFICE

This material has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief.
But is not guaranteed to be so. Nothing herein is to be construed as a warranty.

SPNY 005815

IV. FIRE PROTECTION

NONFLAMMABLE

V. REACTIVITY DATA

NON-REACTIVE

VI. HEALTH HAZARD DATA

EXPOSURE LIMITS:

OSHA - TALC (NONASBESTIFORM)

PFL 20 MPPCF

ACGIH - TALC (CONTAINING NO ASBESTOS FIBERS)

TLV 2 MG/CU M (RESP.)

VII. - PHYSIOLOGICAL EFFECTS SUMMARY

NEW YORK STATE TALC HAS NOT SHOWN ANY CARCINOGENICITY IN ANIMAL STUDIES. EPIDEMIOLOGIC STUDIES IN HUMANS HAVE BEEN INTERPRETED IN CONFLICTING WAYS WITH NO CLEAR EVIDENCE OF AN INCREASED RISK OF LUNG TUMORS IN ASSOCIATION WITH EXPOSURE.

PROLONGED EXPOSURE TO EXCESSIVE QUANTITIES OF INDUSTRIAL TALC CAN RESULT IN SCARRING OF THE LUNGS (TALCOSIS) OR OF THE COVERING OF THE LUNGS (PLEURAL THICKENING). TALCOSIS MAY PRODUCE NO SYMPTOMS OR MAY BE ASSOCIATED WITH NON-SPECIFIC SYMPTOMS OF COUGH OR SHORTNESS OF BREATH. PLEURAL THICKENING USUALLY PRODUCES NO SYMPTOMS. BOTH CONDITIONS CAN BE DETECTED BY CHEST RADIOGRAPH EXAMINATION. BRONCHIAL IRRITATION (BRONCHITIS) MAY CAUSE EXCESS SPUTUM PRODUCTION.

Information presented herein has been compiled from sources considered to be accurate and reliable to the best of our knowledge and belief but is not guaranteed to be an absolute truth in its presentation.

SPNY 005816

MSDS: NYTAL 99, NYTAL 100, NYTAL 100 HR, NYTAL 200, NYTAL 300,
NYTAL 300 H, NYTAL 400, CERAMITAC 10 AC, CERAMITAC HDT,
CERAMITAC NO. 1, CERAMITAC 10-A

VIII. PRECAUTIONS FOR SAFE HANDLING

AVOID BREATHING DUST

IX. PROTECTION AND CONTROL MEASURES

USE DUST MASK IF PEL OR TLV FOR AIRBORNE DUST MIXTURE IS
IS EXCEEDED. SEE OSHA 29 CFR 1000.134

X. EMERGENCY AND FIRST AID PROCEDURES

NOT EXPECTED TO BE A PROBLEM. NO SPECIAL REQUIREMENTS.

XI. SPILL AND DISPOSAL PROCEDURES

NOT A RCRA HAZARDOUS WASTE. USE VACUUM TO CLEAN UP SPILLAGE.
DISPOSE OF ACCORDING TO STATE OR LOCAL REGULATIONS.

FOR ADDITIONAL INFORMATION CONTACT:

ENVIRONMENTAL AFFAIRS
R. T. VANDERBILT CO., INC.
30 WINFIELD STREET
P.O. BOX 5150
NORWALK, CT 06856
TEL. NO.: (203) 853-1400

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief
but is not guaranteed to be so. Nothing herein is to be construed as a recommendation or endorsement of any product or service.

SPNY 005817