

TOMOE ENGINEERING COMPANY, LTD.

(ANNEX OFFICE)
SHIN SHIN KAIKAN BUILDING
14-1, NIHONBASHI 3-CHOME, CHUO-KU
TOKYO, JAPAN

MAIN OFFICE:
DAINI HARUZEN BUILDING
8-2, NIHONBASHI 3-CHOME, CHUO-KU
TOKYO, JAPAN

CABLE ADDRESS: "TOMOT"
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Date of Call: February 23, 1973

Customer: Telnite Co.

Interviewed Persons:

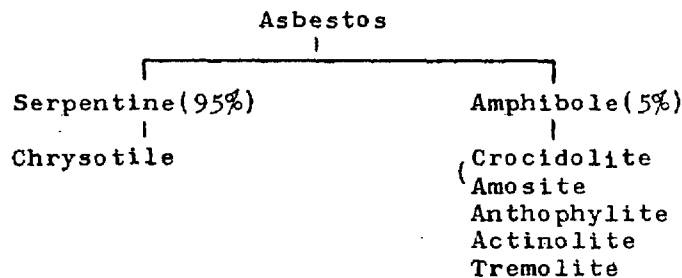
Messrs. B. Okino, Manager, Technical & Development Dept.
M. Sano, Depute Section Chief, Tech. Laboratory
I. Morimoto, General Affairs Dept.

Visited by:

Messrs. J. L. Myers - UCC
F. S. Wada - UCSEL
H. Fukuma - TEC
S. Sumioka - TEC

1. Various kinds of asbestos

Mr. Myers explained to them that asbestos is classified into 2 groups of Serpentine and Amphibole as shown below, and there are more than 3,000 applications of chrysotile asbestos.



2. Applications of Chrysotile asbestos in the U. S.

Asbestos Cement	500,000 tons/year
Floor Tile	150 - 200,000 "
Building Products	50 - 100,000 "
Drilling Mud	5,000 " (very small)
Total	Abt. 800,000 tons/year
	(Domestic Products 80,000 tons/year
	Imported Products 720,000 "

3. Application for drilling mud in the U. S.

Bentnite had been used for drilling mud until 4 to 5 years ago. When Bentnite and asbestos are mixed on a fifty, fifty basis for drilling mud, the reology effect will be more than 10 times of the effect with Bentnite only. Furthermore, Bentnite is not usable in salt water, but asbestos is usable in fresh and salt water and the effect remains the same, and heat resistance of asbestos is better than that of Bentnite. Super Visbestos (UCC nomenclature is SG-200X) will be mini-pelletized from May this year.

4. Asbestos market in the U. S.

California Ore - Union Carbide(wet process) → Montello Inc.(50%)
 "Visbestos"
 ("Super Visbestos")
 Johns → Manville → Drisco "Flosal" → Phillips
 Atlas Corp. "Bascobestos"

5. Distribution route of Super Visbestos

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graph LR
    UCC --> Montello["Montello  
(exclusive)  
\"Super Visbestos\""]
    UCC --> Dresser
    Dresser --> Magcobar
    Dresser --> Baroid
    Dresser --> IMC["I.M.C.  
\"Imcobestos\""]
    Dresser --> Tomoe
    Tomoe --> Telnite["Telnite  
\"Super Visbestos\""]
    Magcobar --> DrillingCo["Drilling Co. → Oil Co."]
    Magcobar --> Lybia["Lybia  
Iran"]
    IMC --> UKNorthSea["U.K.  
North Sea"]
  
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6. Dusting problem

Mr. Myers explained to them that Calidria asbestos is safe in many applications on a broad basis and UCC will publish its viewpoint of the safety in the use in April & May issues of "Oil & Gas Journal".