

stos cement and other products. friction products. It is also used in industries, where particular, the position enhances its union indell, 7, p. 328).

manufactured items, bound and is there-

health hazard to the newly manufactured

Uses, table 2), so long as, disrupted, or cut in

os fibers are virtually

5, p. 196) aptly define of an infinity of

released into the atmosphere original product is re-

may occur in rebuilding industries, isolation, repair, and/

this sort, particularly in a polluted environment, such

tergoing refitting, may primary job has nothing,

g., welders or masons, are these sources of ex-

tion and shipbuilding ably accounts for the related disease in the

direct information workers at risk in

than an estimate of United States in 1972

ng the information on (table 3) in a clinical

ysician an overview of, so that when faced

an illness that may be formulate a systematic

s occupational history. us cover possible expo-

and manufacturing, as tion of manufactured

stos, directly, or at the placement (19, 20, 22-

not only seek the de-jobs, past and present,

whether this work was of other workers whose

ng of asbestos products if in a closed or poorly

TABLE 2
VARIETIES OF ASBESTOS: PROPERTIES, SOURCES, AND USAGE*

Mineral Type	Serpentine		Amphiboles			
	Chemistry, approximate	Fiber type	$X_2-3Y_5(Si,A)_4O_{22}(OH)_2$ with X, Y representing different elements			
	$Mg_3Si_2O_5(OH)_4$	Chrysotile (White)	Crocidolite (Blue)	Anthophyllite	Tremolite	Actinolite
Main elements determining specific composition	Mg	Mg	Na, Fe ²⁺ , Fe ³⁺	Fe ²⁺ , Mg	Ca, Mg	Like tremolite, but contains Fe ²⁺
Physical properties						
Tensile strength, 1,000 psi	350-450	Very good	500	175-350	240	< 75
Flexibility	Poor	Poor	Good	Poor	Fair to brittle	Brittle
Acid resistance	Silky to harsh	Silky to harsh	Good	Good	Fair to good	Very good
Texture	900° C	900° C	200° C	200° C	Harsh to soft	Harsh
Heat resistance	Canada (Quebec, B. C., Yukon, Newfoundland, Ontario)	Canada (Quebec, B. C., Yukon, Newfoundland, Ontario)	S. Africa (N. W. Cape, Transvaal)	200° C	200° C	Fair to good
Major sources, present and past	Russia (Urals, Siberia)	Russia (Urals, Siberia)	S. Africa (N. W. Cape, Transvaal)	Finland	Italy	Not usually commercially exploited
	S. Rhodesia	S. Rhodesia	Bolivia	United States (Georgia†)		
	Botswana	Botswana	W. Australia†	Carollinas)		
	Swaziland	Swaziland				
	Australia (NSW)	Australia (NSW)				
	Cyprus	Cyprus				
	Italy	Italy				
	United States (Vt., Ariz., Calif.)	United States (Vt., Ariz., Calif.)				
World use, approximate %	93	93	3.5	2.5	< 1	< 1
Industrial uses	Textiles	Textiles	Pressure pipes	Cement	Cement (limited)	Chemical industry (as fillers and filters)
	Cement products	Cement products	Pressure pipes	Plastic reinforcement	Chemical industry	Talc fillers
	Friction materials	Friction materials	Cement products			
	Insulation**	Insulation**	Felts for plastics			
	"Paper" products	"Paper" products	Refractory tiles			
			Pressure pipes			

*Information collected by Dr. Graham Gibbs from the following reference sources: Zuseman (3), Spill and Leinewether (18), N. W. Hendry, in (5), p. 12; R. Gaze, in (5), p. 23; K. V. Lindell, in (7), p. 323.

†No longer in operation.

**Being phased out.