FILE NAME: Drywall Spackling Compounds (DWSC)

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Results of analysis of ten industrial taping, spackling and jointing compounds.

Ten samples, collected from drywall construction sites were analyzed by x-ray diffraction, optical and electron microscopy. The smples were designated and described as follows:

1. USG-A Tape-joint topping compound (for finishing and second coat). U.S. Gypsum Co., Chicago, Illinois 60606
2. USG-B Jointing and taping compound (for rough work). U.S. Gypsum Co.
3. USG-C Nuvobond 90 (quick drying taping compound). U.S. Gypsum Co.
4. USG-D Jointing compound (for topping and finishing coat). U.S. Gypsum Co.
5. USG-E Redimix jointing compound. U.S. Gypsum Co.
6. USG-F Wall board seal. U.S. Gypsum Co.
7. USG-G Drywall taping compound. U.S. Gypsum Co.
8. Spackle A - Manufacturer - Muralo Co., Bayonne, New Jersey.
9. Spackle B - Manufacturer unknown - no brand name.
10. Spackle C - Manufacturer unknown - no brand name.

The results of the analyses are presented in Table II. Major components are in capital letters. Substances present in lesser quantities are shown in small case letters. Chrysotile asbestos is present in nine of the ten samples, ranging from 5 to 12%, by weight. Tremolite asbestos was found in one sample. Quartz a major constituent in four samples.

TABLE II

1) USG-A
MICA
CALCITE
DOLOMITE
kaolinite
chrysotile

2) USG-B
MICA
DOLOMITE
kaolinite
chrysotile

3) USG-C
MICA
PLASTER OF PARIS
calcite
kaolinite
chrysotile

4) USG-D
MICA
CALCITE
DOLOMITE
kaolinite
chrysotile

5) USG-E
PLASTER OF PARIS
MICA
QUARTZ
kaolinite
chrysotile

6) USG-F
PLASTER OF PARIS
MICA
QUARTZ
KAOLINITE
chrysotile

7) USG-G
MICA
DOLOMITE
calcite
tremolite
quartz
chrysotile

8) SPACKLE A
PLASTER OF PARIS
QUARTZ
MICA
TALC
chyrsotile
kaolinite

9) SPACKLE B
PLASTER OF PARIS
QUARTZ
mica
chrysotile

10) SPACKLE C
PLASTER OF PARIS
talc
quartz

CONSTITUENTS IN CONSUMER SPACKLING AND PATCHING COMPOUNDS

BRAND NAME	CONSTITUENTS											
	Anthophyllite	Calcite	Chrysotile	Dolomite	Feldspar	Kaolinite	Mica	Plaster of Paris	Pyrophyllite	Quartz	Talc	Tremolite
Perf A Tape*		+	+ (6-8%**)	X		X	X			+	X	
Red Top*		X						X				
USG Texolite*		+					X	X				
Muralo*		X				+	+	X	X	X		
Metro								X		+	X	X (4-6%)
Perf A Tape		+	+ (6-8%)	X		+	X					
Arvon	X (10-12%)				+					X		
Patch Paste		X								X		
Schalk		X								X		
USG Texolite			+ (6-10%)	X		X	X					
U-G-L Cerfex		X					+	X		X		
Muralo		X					+	X	X	X		
Kex		X					+	X				
"New Kex"						+				X		
DAP		X										

* Purchased in 1972 or prior--others purchased in January 1974 (Because the samples were purchased in 1974 or earlier, the products available on the market today may contain different constituents.)

** Asbestos minerals, where present, have been noted and a determination of their quantity has been indicated

X Major components

\+ Substances present in relatively small quantities