

FILE NAME: Union Carbide (UC)

DATE: 1973

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DOCUMENT DESCRIPTION: Letter to Union Carbide from US Dept of Health with Sample Report from Various Products



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
CENTER FOR DISEASE CONTROL

NATIONAL INSTITUTE FOR OCCUPATIONAL
SAFETY AND HEALTH
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Over the past five years the National Institute for Occupational Safety and Health (NIOSH) has been conducting the National Occupational Hazard Survey, pursuant to Sections 8.20(a) and 20(b) of the Occupational Safety and Health Act of 1970. By visiting approximately 5,000 companies throughout the United States, our engineers inventoried the basic substances used by American workers. Much of this information was recorded by brand name, however, and had to be clarified as to chemical ingredients.

In a small number of cases, manufacturers submitted product ingredient information which indicates the presence of one or more of the sixteen substances (see Table 1) currently regulated as human carcinogens by the Occupational Safety and Health Administration (OSHA). In these cases, NIOSH took the position that information on the presence and percentage of the carcinogenic substance in a product should be made available to those who may come into contact with the product.

Thus, NIOSH intends to make information as to the presence and percentage of an OSHA regulated carcinogen in a brand name product available to the public where such information has not been designated as a trade secret. It will also submit this information to those companies identified by the Survey as users of these brand name products.

Your product formulations on the enclosed copies of response forms show the presence of one or more human carcinogens. We think the manufacturers of brand name products containing OSHA regulated carcinogens have an obligation to their employees and customers. Please

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indicate the measures you have taken to ensure that people coming into contact with the product will be informed regarding its carcinogenic potential and advised of appropriate protective measures. Specifically, we are requesting information on the procedures you have developed to guarantee that employees in your plant who may be engaged in formulating the product(s) are educated with respect to possible health risks, and what steps have been taken to design systems to reduce exposures to those employees. Additionally, we are requesting evidence of whatever steps you may take to warn users of these product(s) of the presence of a carcinogenic substance, and guidelines to ensure safe usage of the product.

We thank you for your cooperation.

Sincerely yours,

John F. Finklea, M.D.
John F. Finklea, M.D.
Director

Enclosures

A08599

TABLE 1

SUBSTANCES REGULATED AS HUMAN CARCINOGENS BY OSHA

Asbestos
Vinyl chloride
4,4'-Methylene-bis (2-chloroaniline) (MOCA)
beta-Naphthylamine
4-Nitrobiphenyl
N-Nitrosodimethylamine
beta-Propiolactone
bis (Chloromethyl) ether
Chloromethyl-methyl ether
2-Acetylaminofluorene
4-Aminodiphenyl
Benzidine
3,3'-Dichlorobenzidine
4-Dimethylaminoazobenzene
alpha-Naphthylamine
Ethylenimine

408600

CALIPRA RESIN GRADE 244

ASSURANCE OF CONFIDENTIALITY - Any NIOSH contractor having access to this information is legally required by contract to hold all such information confidential.

REQUEST NUMBER 10139561013955

Key punched

Edited

COMPONENT NAME													APRX PER CENT	P T	NIOSH ONLY			
15	16	18	20	22	24	26	28	30	32	34	36	38	40	42	43	44	46	48
1.	CHRYSOTILE ASBESTOS													92				
2.	AMORPHOUS SILICA													8				
3.	SILICON DIOXIDE													08			233.05	
4.	ASBESTOS													92			9.0310	
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		
11.																		
12.																		
13.																		

☒ Patent exists on this product.

☐ This product analysis contains trade secret information. The nature of this information is described on an accompanying sheet.

☐ If you have used supplemental sheets, please indicate how many.

(13-DHR-26)

Suggested Ready-Mix Quick-Dry Topping Compound

<u>Ingredients and Order of Addition</u>	<u>Gallons</u>	<u>Pounds/100 gallon</u>	<u>% by Wt.</u>
1. Water	45.12	375.04	26.00
2. CELLOSIZ E TJC	0.51	5.92	0.41
3. Bacteriastat	0.15	1.62	0.12
4. UCAR Latex WC-130 (58% E)	7.40	68.52	4.75
5. Dibutyl Phthalate	0.45	3.92	0.28
6. Ethylene Glycol	0.85	7.90	0.55
7. Varsol No. 1 (Mineral Spirits)	2.44	15.91	1.10
8. Calidria SG-210 Asbestos	0.93	19.81	1.38
9. Mica, Ser-X	3.47	79.46	5.50
10. Clay, ASP-400	0.37	7.95	0.55
11. Calcium Carbonate, No. 1 White	37.53	848.18	58.80
12. Asbestol Talc	0.17	4.03	0.28
13. Calgon, Water Conditioner	<u>0.61</u>	<u>3.90</u>	<u>0.28</u>
	100.00	1442.16	100.00

Total Volatiles - - - - - 29.1%

Density, lbs/gallon - - - - - 14.42

Tape Adhesion - - - - - 77%

Nailhole Crack Resistance - - - - - 70%

Sandability - - - - - good

Estimated RMC - - - - - approx. 25¢/gallon

A23434

UCAR LATEXES WC-130 or 131

SUGGESTED GENERAL PURPOSE TAPE JOINT COMPOUND

(13-DNR-68)

<u>Ingredients and Order of Addition(a)</u>	<u>Pounds</u>	<u>Gallons</u>	<u>Lbs/100 Gal</u>	<u>% by Wt</u>
1. Water	1932	232.43	421.67	31.35
2. CELLOSIZ TJC Grade Thickener, Union Carbide	20	1.72	4.41	0.32
3. "Dowicide" A, or similar bacteriostat	8	0.74	1.73	0.13
4. "Daxad"-30, dispersant (25% $\bar{g}$)	64	6.53	14.01	1.04
5. UCAR Latex 131 preplasticized (59% T), Union Carbide	447	48.48	97.55	7.25
6. Ethylene Glycol, Union Carbide	40	4.30	8.74	0.65
7. Calidria SG-210 Asbestos, Union Carbide	180	8.45	39.19	2.92
8. Mica, AA, Thompson-Weinman	420	18.34	91.60	6.81
9. Mica, P-80-F, Western Mica	420	18.34	91.60	6.81
10. Clay, ASP-400	100	4.65	21.71	1.62
11. Calgon, Water Conditioner	20	3.12	4.35	0.32
12. Talc, Asbestol or A-200	40	1.69	8.77	0.65
13. No. 1 White Calcium Carbonate	2472	109.38	539.69	40.13
	6163	458.17	1345.02	100.00

Note: (a) Mixed 1.5 to 2.0 hours in a one-gallon Baker-Perkins, Sigma Blade Type Mixer, at 79 r.p.m.

Typical Properties

Water Content	35.1%
Pounds/Gallon	13.45
Estimated RMC/Gallon	31.44¢
Adhesion to Wallboard Tape	100%
Brabender Viscosity	600 B.U.
Nailhole Cracking Resistance	95%
Sandability	Good

A23435

SUGGESTED TAPE JOINT TOPPING COMPOUND
(13-DHR-48)

Ingredients and Order of Addition ^(a)	Pounds	Gallons	Lbs/100 Gal.	% by Wt.
Water	1714	206.21	399.81	28.27
CELLOSIZ E TJC Grade	30	2.59	6.96	0.49
Dowicide "A", Bacteriostat	8	0.74	1.84	0.13
UCAR Latex WC-130 (58% B)	345	37.26	80.47	5.69
Dibutyl Phthalate	20	2.29	4.62	0.33
Ethylene Glycol	40	4.30	9.39	0.66
Calidria SG-210 Asbestos	180	8.45	42.17	2.97
Mica (P-80-F)	100	4.37	23.36	1.65
Mica (Ser-X)	400	17.47	93.20	6.60
Clay, ASP-400	40	1.86	9.24	0.66
No. 1 White Calcium Carbonate	3127	138.36	729.53	51.56
Talcum Powder (Mallinkrodt)	40	1.69	9.24	0.66
Calgon, Regular	20	3.12	4.67	0.33
	6064	428.71	1414.50	100.00

Water Content	30.66%
Pounds/Gallon	14.14
Estimated RMC/Gallon	28.77¢
Brabender Viscosity	840 B.U.
Adhesion to Wallboard Tape	100%
Nailhole Crack Resistance	92%
Sandability	Good

NOTE: (a) Mixed 1.5-2.0 hours in a one-gallon Baker-Perkins, Sigma Blade Type Mixer, at 79 r.p.m.

A23436

UCAR LATEX WC-130 OR 131

SUGGESTED BEDDING COAT TAPE JOINT COMPOUND

(13-DHR-18)

<u>Ingredients and Order of Addition (a)</u>		<u>Pounds</u>	<u>Gallons</u>	<u>Lbs/100 Gal</u>	<u>% by Wt</u>
<i>Per Batch</i>	1. Water	<u>1932</u>	232.43	424.16	31.39
	2. CELLOSIZ TJC Thickener, Union Carbide	20	1.72	4.41	0.32
	3. Bacteriostat "Dowicide" A or similar	8	0.74	1.72	0.13
	4. Dispersant, "Daxad"-30, (25% T), Dewey and Almy	64	6.53	14.01	1.04
	5. UCAR Latex WC-130, (58% T), Union Carbide	414	44.66	90.94	6.73
	6. Dibutyl Phthalate, Union Carbide	24	2.75	5.23	0.39
	7. Ethylene Glycol, Union Carbide	40	4.30	8.74	0.65
	8. Calidria Asbestos SD-210, Union Carbide	180	8.45	39.62	2.92
	9. Mica P-80-F, Western Mica	840	36.68	184.34	13.66
	10. Clay, ASP-400, Minerals and Chemicals, Phillip	160	7.44	35.04	2.60
	11. Calcium Carbonate, No. 1 White Thompson-Weinman	2468	109.20	542.17	40.11
	12. NOPCO PD #1 Antifoam Nopco Chemical Company	4	0.55	0.88	0.06
		<u>6154</u>	<u>455.45</u>	<u>1351.26</u>	<u>100.00</u>

Note: (a) Mixed 1.5 to 2.0 hours in a one-gallon Baker-Perkins, Sigma Blade Type Mixer, at 79 r.p.m.

Typical Properties

Water Content	35.1%
Pounds/Gallon	13.51
Estimated RMC/Gallon	31.46
Brabender Viscosity	700 B.U.
Adhesion to Wallboard Tape	100%
Nailhole Cracking Resistance	99%
Sandability	Good

A23437

UCAR LATES WC-130 OR 131

SUGGESTED GENERAL PURPOSE TAPE JOINT COMPOUND

(13-DHR-68)

<u>Ingredients and Order of Addition(a)</u>	<u>Pounds</u>	<u>Gallons</u>	<u>Lbs/100 Gal</u>	<u>% by Wt</u>
1. Water	1932	232.43	421.67	31.35
2. CELLOSIZ TJC Grade Thickener, Union Carbide	20	1.72	4.41	0.32
3. "Dowicide" A, or similar bacteriostat	8	0.74	1.73	0.13
4. "Daxad"-30, dispersant (25% T)	64	6.53	14.01	1.04
5. UCAR Latex 131 preplasticized (59% T), Union Carbide	447	48.48	97.55	7.25
6. Ethylene Glycol, Union Carbide	40	4.30	8.74	0.65
7. Calidria SG-210 Asbestos, Union Carbide	180	8.45	39.19	2.92
8. Mica, AA, Thompson-Weinman	420	18.34	91.60	6.81
9. Mica, P-80-F, Western Mica	420	18.34	91.60	6.81
10. Clay, ASP-400	100	4.65	21.71	1.62
11. Calgon, Water Conditioner	20	3.12	4.35	0.32
12. Talc, Asbestol or A-200	40	1.69	8.77	0.65
13. No. 1 White Calcium Carbonate	2472	109.38	539.69	40.13
	6163	458.17	1345.02	100.00

Note: (a) Mixed 1.5 to 2.0 hours in a one-gallon Baker-Perkins, Sigma Blade Type Mixer, at 79 r.p.m.

Typical Properties

Water Content	35.1%
Pounds/Gallon	13.45
Estimated RMC/Gallon	31.44
Adhesion to Wallboard Tape	100%
Brabender Viscosity	600 E.U.
Nailhole Cracking Resistance	95%
Sandability	Good

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