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THE DISCOVERY COMPANY

Calidria ASBESTOS

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APR 18 1975

UNION CARBIDE CORPORATION • MINING & METALS DIVISION • P.O. BOX 579 • NIAGARA FALLS, N. Y. 14302 • TEL: 716-278-3376

April 17, 1975

Mr. Lewis J. Gillich
Republic Powdered Metals
2628 Pearl Road
Medina, OH 44256

Dear Mr. Gillich:

This is in response to your request to Mr. Ray Brinson for information regarding the California Marks Bill. We are currently engaged in active discussions with Senator Marks regarding possible amendments to the bill. These discussions are being spearheaded by the California Manufacturers' Association.

A copy of the four amendments which have been suggested are attached. A copy of the supporting data which was submitted is also attached. We tried to draw the proposed amendments as broadly as the data would allow. Hopefully, the Republic products would fall within the scope of one of the amendments. If they do not, time is extremely short but it is not impossible to get the data and get them included.

Please let us know if you have any further questions.

Very truly yours,

H. B. Rhodes
Technology Manager

HBR:cjb
Attachments

CC: G. L. Dickson
R. J. Brinson

UCC 010032

PROPOSED AMENDMENTS

CALIFORNIA MARKS BILL

1. Water-based interior texture sprays containing as sprayed a maximum of 3% by weight of chrysotile asbestos and a minimum of 2% by weight of water-soluble starch, soya protein, polyvinyl alcohol, or equivalent binder.
2. Latex-based interior and exterior coatings containing as sprayed a maximum of 5% by weight of chrysotile asbestos and a minimum of 8% by weight of vinyl, acrylic, vinyl-acrylic, or equivalent polymer binder.
3. Resin-based laminating and/or coating materials containing as sprayed a maximum of 12% by weight of chrysotile asbestos and a minimum of 6% by weight of polyester resin, alkyd resin, epoxy resin alone or in combination with coal-tar, or an equivalent resin binder.
4. Asphaltic-based coatings containing as sprayed a maximum of 15% by weight of chrysotile asbestos and a minimum of 40% by weight of cutback asphalt or emulsified asphalt binder.

TABLE V

AIRBORNE ASBESTOS FIBER COUNTS -

GRINDING AND SANDING OF RESIN-BASED SYSTEMS CONTAINING ASBESTOS

Sample Designation	Commercial Application	Date	Resin	Asbestos		Operation	Sample Time (Min.)	Airborne Asbestos Fiber Concentration (Fibers/cc >5µ)
				Type	Approx. Wt. %			
I. THERMOSET RESIN (Polyester)								
--	Molding furniture parts	3/15/72	Polyester	RG-244	0.05	Operator hand sanding small parts.	45	0.002
--	"	"	"	"	0.05	Operator running power sander with integral hood.	45	0.002
1929-40-4	"	12/6/72	"	"	0.3	Operator sanding and grinding molded parts. Good hood & ventilating system on grinder.	23	0.3

1929-82-3	Fabrication of reinforced fiber glass pipe.	2/27/73	Polyester	RG-144	2-3	Operator pulls pipe along line. Saws off end with circular saw.	19	0.1
1929-82-4	"	"	"	"	2-3	Same operation as 1929-82-3.	49	0.1
1929-82-5	"	"	"	"	2-3	Operator removing end of pipe with scarfing machine.	45	0.04
I-13	"	8/13/74	"	RG-244	1.4	Operator shaping end of pipe with beil & spigot machine.	16	0.3
I-6	"	"	"	"	1.4	Operator cutting off pipe end and light grinding on exterior surface.	17	0.2

I-26	Fabrication of FRP tanks and pipe.	8/13/74	Polyester	RG-244	1.5	Operator grinding inside of 13' I.D. x 26' tank.	16	0.4
G-8	"	"	"	"	1.5	Continuation of same operation as I-26.	5	0.3
I-39	"	"	"	"	1.5	Operator grinding edges of miscellaneous small parts.	25	0.3

1929-84-4	Production of artificial bricks.	3/8/73	Polyester	RG-244	2.0	Operator cutting with sabre saw.	44	0.1
1929-84-5	"	"	"	"	2.0	Operator trimming with sabre saw.	39	0.2

N-20	Production of fiber glass boats.	11/26/74	Polyester	RG-244	0.5	Operator grinding inside of boat hull.	11	0.0
N-25	"	"	"	"	0.5	Operator grinding.	4	0.0

TABLE VI

AIRBORNE ASBESTOS FIBER COUNTS

GRINDING OF RESIN PLAQUES CONTAINING ASBESTOS IN A SMALL (8'x8'x8.5') CLOSED ROOM

Resin		Plaque Composition				Airborne Asbestos Fiber Concentration (fibers/cc > 5 μ)		
		Chrysotile Type	Wt. %	Fiber Glass Wt. %	Sisal Wt. %	Lime- stone Wt. %	During Grind (7 Min.) Operator Personal Sample	After Grind (90 Min.) Sample from 5 Ft. Level Room Corner
Polyester	79.2	RG-244	0.8	20.0	-	-	0.0	0.0
Polyester	99.2	RG-244	0.8	-	-	-	0.0	0.0
Polyester	98.0	RG-244	2.0	-	-	-	0.0	0.01
Polyester	96.0	RG-244	4.0	-	-	-	0.7	0.01
Epoxy	76.0	RG-144	4.0	20.0	-	-	0.2	0.05
Polyester	35.0	RG-110	5.0	10.0	10.0	40.0	0.6	0.02
Polyester	35.0	RG-110	10.0	10.0	10.0	35.0	0.0	0.0
Polyester	30.0	SG-200	18.0	-	2.0	50.0	0.3	0.06