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NAME:

EAGLE PICHER INDUSTRIES, INC.

PRINCIPAL PLACE OF BUSINESS:

Cincinnati, Ohio

PRODUCTS:

No longer manufactures abestos-containing insulation products.

Products distributed, but not manufactured, contained chrysotile, except Owens-Corning's Hylo Block and Pipe Covering, which contained chrysotile and amosite asbestos.

Uncertain as to the type of asbestos in Eagle Picher 85 percent Magnesia Pipe Covering and Insulation.

Asbestos content in formerly manufactured products.

PRODUCT	ASBESTOS CONTENT PERCENTAGE	
Super "66" Insulating Cement	2	
	9	(1950)
	3.5	(1969)
	0	(1971)
"43" Finishing Cement	75	
Fireproofing Cement	3	
One-Cote Cement	0	(1951)
	5	(1961)
	3	(1968)
	0	(1971)
Hylo Cement	5	
Hi-Stick Cement	5	
33 Insulating Cement	10	
99 Finishing Cement	75	
106 Finishing Cement	28	
Insulseal	6	
Insulstic	8	
Vercel Block		

(Refer to Exhibit A for detail product list)

MINED OR MILLED:

No

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LOCATION OF MANUFACTURING PLANTS:

Joplin, Missouri, from 1931 to August, 1971, except for small quantities of "43" Finishing Cement which were manufactured through 1971. Additionally, small quantities of "43" were manufactured and shipped in January and April, 1972.

SOURCE OF RAW MATERIALS:

Carey Canadian Mines Ltd.; GAF Corporation

FIRST KNOWLEDGE OF HAZARDS:

1964

REASON FOR DISCONTINUATION OF PRODUCTS:

Developed products which did not require asbestos fibers; diminished demands; potential health hazard.

FIRST LABELING:

May of June, 1964, on One-Cote Cement, Super "66" Insulating Cement, and "43" Finishing Cement. Shortly thereafter on Hylo and Hi-Stick.

SALES:

No sales records available prior to 1965. Gross sales in 1977 amounted to $420,000,000.

Denies sales to, or use by, Long Beach Naval Shipyards.

Admits sales to San Francisco area, U.S. Navy, Pearl Harbor Naval Shipyard, GSA-Region 3, San Diego and Oakland Naval Supply Centers.

Admits sales to co-defendants.

Never operated contract installation units. At vaious times from 1935 to 1952, Eagle Picher subcontracted installation to independent subcontractors.

MEMBER OF ATI:

No

WORKERS COMPENSATION CLAIMS:

None

QPL:

Block and Pipe Covering 1952 and 1953; thereafter, sporadically.

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Name of Material (Trade Name)	Date Began/Discontinued Manufacture	Contents
---- (Super "66" Insulating Cement)	1931 or prior/1974	Granulated fiber, Bentonite Clay, Tri-Sodium Phosphate, Sodium Nitrite, Sudsing Agent; Asbestos (removed 1971)
Finishing Cement ("43" Finishing Cement)	1945/1971*	Asbestos, Portland Cement
Fireproofing Cement ----	1947/1965 (Intermittently)	Asbestos, Portland Cement, Bentonite Clay, Perlite, Fly Ash, Coal Glass Fiber (from 1964 through 1965 only)
---- (One-Cote Cement)	1951/1974	Granulated Mineral Wool, Bentonite Clay, Sodium Nitrite, Portland Cement, Plaster (removed in late 1950's), Asbestos (added 1961, removed 1971), Diatomaceous Earth

* Small quantities of "43" were manufactured and shipped in January and April, 1972 pursuant to special orders.

---- (Hylo Cement)	1963/1974	Granulated Mineral Wool, Diatomaceous Earth, Bentonite Clay, Asbestos (Removed 1971), Portland Cement, Sodium Nitrite, Sudsing Agent
---- (Hi-Stick)	1964/Jan. 1969	Granluated Mineral Wool, Bentonite Clay, Sodium Nitrite, Sudsing Agent, Portland Cement, Asbestos
Insulating Cement (33 Insulating Cement)	1936/1944	Vermiculite, Clay, Asbestos
Finishing Cement (99 Finishing Cemnt)	1942/1960	Diatomaceous Earth, Asbestos, Clay, Calcium Sulfate

EXHIBIT "A"

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Name of Material (Trade Name)	Date Began/Discontinued Manufacture	Contents
Finishing Cement (106 Finsihing Cement)	1948/1950's	Lumnite Cement, Asbestos, Clay
---- (Insulseal)	1938/1969	Emulsified Asphalt, Asbestos, Bentonite Clay, Water, Carbon Black, Methyl Alcohol
---- (Insulstic)	1938/1969	Asbestos, Sodium Silicate
---- (Vercel Block)	1938/1942	Vermiculite, Clay, Asbestos, Magnesium Sulfate

Note: Several of the products listed above were also packaged under private labels.

Eagle-Picher Designation	Private Label Designation		Agreement Dates
Super "66" Insulating Cement	A.P. Green Insulating Cement *	A.P. Green Fire Brick Co.	5/1/49 to 8/16/71
	NARCO Insulating Cement *	National Refractories	
	C-18 Insulating Cement *	Bigelow-Liptak Corp.	5/5/49 to 8/16/71
	OC-660 Insulating Cement **	Owens-Corning	
	SC-40 Insulating Cement *	Owens-Corning	
	FENCO Mineral Wool Insulating Cement	Owens-Corning	1958 to date unknown
	Stazon Cement *	North American Refractories Co.	12/26/57 to 8/16/71
	Fitch Insulating Cement	Fitch Recuperator Company	
	Armatemp No. 166**	Armstrong Contracting & Supply Corp.	8/1/64 to date unknown
	MW-50 **	Philip Carey	1956 to 1968
	H.W. Insulating Cement	Harbison-Walker	2/24/53 to 1/1/57
	Unarco No. 330 Cement	Union Asbestos & Rubber Co.	8/1/57 to date unknown
	Mineral Wool Insulating Cement, Grade 313	GAF	12/11/70 to 5/26/71
	General Refractories Insulating Cement	General Refractories Company	6/16/49 to date unknown

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Eagle-Picher Designation	Private Label Designation		Agreement Dates
"43 Finishing Cement	C-10 Cement *	Bigelow-Liptak	5/5/49 to 8/16/71
	SS-11 White Finishing Cement *	A.P. Green Fire Brick Company	5/1/49 to 8/16/71
One-Cote Cement ***	OC-110 **	Owens-Corning	
	SC-30 *	Owens-Corning	
	Fenco All-Purpose Cement	Owens-Corning	1958 to date unknown
	MW-1 **	Philip Carey	8/1/64 to date unknown
	Armatemp No. 10 **	Armstrong Contracting & Supply Corp.	8/1/64 to date unknown
	FC-11 *	Bigelow-Liptak Corp.	5/5/49 to 8/16/71
	Insul-Finish*	General Refractories Company	6/16/49 to date unknown
	SS-10 Insulating and Finishing Cement *	A.P. Green Fire Brick Co.	5/1/49 to 8/16/71
	Unicote Cement *	North American Refractories Co.	12/26/57 to 8/16/71
	Unarco No. 10 Cement	Union Asbestos & Rubber Co.	8/1/57 to date unknown
	Single Cote Insulating Cement, Grade 412	GAF	12/11/70 to 5/26/71

* Exclusively Eagle-Picher's product
** Not exclusively Eagle-Picher's product
*** One-Cote cement did not contain asbestos prior to 1961.

ASBESTOS-CONTAINING INSULATION PRODUCTS DISTRIBUTED (BUT NOT MANUFACTURED) BY EAGLE-PICHER INDUSTRIES, INC.

Name of Material (Trade Name)	Date Began/Discontinued Distribution	Contents
---- (Spray Mastic)	1960/1974**	Petroleum Asphalt, Clay, Asbestos
---- (Insulseal)	1969/1974**	Emulsified Asphalt, Asbestos, Bentonite Clay, Water, Carbon Black, Methyl Alcohol
---- (Insulstic)	1969/1974	Asbestos, Sodium Silicate
---- (Stalastic)	1937/1974*	Petroleum Asphalt, Asbestos, Clay, Calcium Carbonate

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Name of Material (Trade Name)	Date Began/Discontinued Distribution	Content
---- (Stamastic)	1937/Approx. 1968	Same as Stalastic
---- (Swetchek)	Prior to 1948/Approx. 1962	Emulsified Asphalt, Asbestos, Bentonite Clay, Water, Carbon Black, Methyl Alcohol
---- (Carey-Temp Block and Pipe Covering)	1956/1960	Perlite, Asbestos, Clay, Sodium Silicate
---- (Owens-Corning Hylo Block and Pipe Covering)	1960/1972	Calicum Silicate, Clay, Asbestos, Diatomaceous Earth
---- (GAF Hylo Block and Pipe Covering)	1969/1971	Same as Owens-Corning Hylo
---- (7M Asbestos) or (Eagle 20)	1939 or prior/1967	7M Asbestos Fiber
---- ("33" Insulating Cement)	1944/1968	Vermiculite, Asbestos Clay
---- (Eagle-Picher 85% Magnesia Pipe Covering and Insulation)	1956/1960	Uncertain, but asbestos was one ingredient.

* Stalastic was discontinued from our general product line on December 1, 1974. However, special orders were accepted in 1975 and 1976.

** Spray Mastic and Insulseal were discontinued from our general product line on December 1, 1974. However, in 1975 small quantities were sold pursuant to special requests.

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EAGLE-PICHER INDUSTRIES

Name of Material (Trade Name)	Date Began-Discontinued Manufacture	Description	Contents
(D.E. Block)	1948-1950	Insulating block composed principally of diatomaceous earth.	Diatomaceous Earth, Clay, Asbestos, Gypsum
(Super "66" Insulating Cement)	1939-,...	Dry bulk cement composed of Eagle-Picher granulated mineral wool thoroughly blended with suitable binding, rust inhibitive and plasticizing ingredients.	Granulated fiber, Bentoni Clay, Tri-Sodium Phosphate, Sodium Nitrat Sudsing Agent Asbestos removed 1971
Finishing Cement ("43" Finishing Cement)	1942-1971	Durable hard white finish coating for indoor insulation on heated surfaces	Asbestos, Portland, Cement
(Eagle 20)	1946-1950	Same as "43" finishing cement.	Asbestos, Portland, Cement
Fireproofing Cement	1947-1963	Dry bulk high temperature cement composed of asbestos fiber and Bentonite clay thoroughly blended with suitable binding, rust inhibitive, and plasticizing ingredient.	Asbestos, Portland, Cement Bentonite Clay, Perlite Fly, Ash, Coke /Glass Fibe
(One-Coat Cement)	1951-,...	Dry bulk cement composed of Eagle-Picher mineral wool and diatomaceous earth thoroughly blended with suitable binding, rust inhibitive, and plasticizing ingredients.	Granulated Mineral Wool, /Bentonite Clay, Sodium Nitrate, Port/ land Cement Plaster (removed in late 1950's), Asbestos (1971), and Diatomaceous earth
(Hylo Cement)	1963-1974	Same as "One-Cote Cement.	Granulated Mineral wool Diatomaceous Earth, Bento

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Name of Material (Trade Name)	Date Began-Discontinued	Description	Contents
			Clay, Asbestos (removed 1971) Portland Cement, Sodium Nitrate, Sudsing Agent
(Hi-Stick)	1964-1968	Insulating Cement specially formulated to give maximum adhesion to valves and fittings.	Granulated Mineral wool, Bentonite Clay, Sodium Nitra Sudsing agent, Portland Cement, Asbestos
Insulating Cement (33 Insulating Cement)	1938-1944	Vermiculite base insulating cement used on masonry surfaces, primarily in the steel industry.	Vermiculite, Clay, Asbestos
Finishing Cement (99 Finishing Cement)	1944-1950's	Hard, durable finishing cement used primarily as a finish over other insulation.	Diatomaceous earth, Asbestos, Clay, Calcium Sulfate
ishing Cement 06 Finishing Cement)	1944-1950's	Hard, fire-protective finishing cement for indoor and outdoor use.	Luminite Cement, Asbestos Clay
(Eagle Drycote)	Unknown-Unknown	Dry, ready-to-mix rust/ inhibiting anticonden-sation compound for use up to 300F.	Asbestos, Bentonite clay, Carbon Black
(Insulseal)	1938-1969	Tough black fire-retardant protective coating for insulation, composed of asbestos, clay, and other additives in an asphalt base	Emulsified Asphalt, Asbestos, Bentonite, clay, water, Carbon Black, Methyl Alchohol.
(Insulstic)	1938-1969	Adhesive material used to temporarily hold in place and to speed the application of rigid and semirigid insulation.	Asbestos, Sodium Silicate, Asphal
ray Mastic)	Unknown-...	Weather-protective coating.	Petroleum Asphalt, Clay, Asbestos

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...ne of Material ...ade Name)	Date Began-Discontinued	Description	Contents
*****			
(Insulseal)	1969-...	Tough black fire-retardant protective coating for insulation.	Emulsified Asphalt Asbestos, Bentonit Clay, Water, Carbo Black, Methyl Alcohol
(Insulstic)		See Above	
(Stalastic)	1937-...	A weather and vapor-barrier coating	Petroleum Asphalt Asbestos Clay, Calcium Carbonate
(Stamastic)	1937-Unknown	See Above	
(Swetchek)	Prior to 1948 Unknown	A weather-protective and anti/condensation compound.	Emulsified Asphalt Asbestos, Bentonit Clay, Water, Carbo Black, Methyl Alcohol
...ens-Corning ...o Block and ...e Covering)	Unknown-1972	Molded rigid block or pipe covering	Calcium,Silicate Clay, Asbestos, Diatomaceous earth
(Block and Pipe Covering)	Unknown-...	Molded rigid block or pipe covering.	Perlite, Asbestos, Clay, Sodium Silicate
(GAF Hylo Block and Pipe Covering)	1971-1972	Same as Owens-Corning Hylo	
(7M Asbestos)	Unknown-1968	Short fiber insulation	Magnesium, Asbesto Aluminum Silicate
("33" Insulating Cement)	Unknown-... Unknown	Dry vermiculite insulating cement. mixed with water for troweling or spraying.	Vermiculite, Clay, Asbestos
(Eagle-Picher 85% Magnesia Pipe and Insulation)	1956-1960	Insulating block and pipe covering.	Uncertain of all contents, but did include Asbestos

***Interrogatory No. 1-A

Eagle-Picher Designation	Private Label Designation
Super "66" Insulating Cement	A.P. Green Insulating Cement Narco Insulating Cement c-18 Plastic Insulation SC-40 Insulating Cement Stazon Cement Fitch Insulating Cement Armatemp No. 166 MW-50 (for a period)
"43" Finishing Cement	C-10 Cement SS-11 White Finishing Cement
One-Cote Cement	SC-30 MW-1 Armatemp No. 10 FC-11 Insul-Finish SS-10 Insulating and Finishing Cement Unicote Cement

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