

FILE NAME: NS

DATE: 1977 Aug 5

DOC#: NS005

DOCUMENT DESCRIPTION: Letter from Mr. Don Bennet of FRA to Mr. Risendal with List of Products Identified as Containing Carcinogens

ASSOCIATION OF

AMERICAN RAILROADS

OPERATIONS AND MAINTENANCE DEPARTMENT

AMERICAN RAILROADS BUILDING · WASHINGTON, D.C. 20036 · (202) 293-4142

RECEIVED
 A.V.P.-Mechanical
 AUG 11 1977
 FILE 58-17-296

J. E. MARTIN
Vice President

August 5, 1977

RECEIVED
 DEC 12 1983
 NORFOLK SOUTHERN
 CORPORATION
 CASUALTY
 DEPT.

CHIEF OPERATING OFFICERS

Attached for your information is copy of a letter written by Mr. Don Bennett of FRA to Mr. Risendal, providing a list of products which have been identified as containing carcinogens currently regulated by OSHA.

You will note that FRA is not aware of the extent of usage of any of these products in the railroad industry, but it is felt that distribution of this information will minimize potential health hazards.

Sincerely,

Copy: Chief Mechanical Officers
Chief Safety Officers

*Photo Shop
 Shop 3/29/77
 59MP'S
 411 7/16/77
 Staff,
 as info
 & guidance
 J.E.M.
 8.12.77*

EXHIBIT 1



DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION
WASHINGTON, D. C. 20590

ASSOCIATE ADMINISTRATOR

AUG 2 1977



Mr. John A. Risendal
Executive Director
Safety and Special Services
Division
Association of American Railroads
1920 L Street, N. W.
Washington, D. C. 20036

The National Institute for Occupational Safety and Health (NIOSH) has recently performed an Occupational Health Survey. The survey listed 265 trade name products containing one or more of the carcinogens currently regulated by the Occupational Safety and Health Administration (OSHA), the name of the manufacturers, and the name and percentage of the carcinogen contained in the product. This survey found that 411 products contained carcinogens, but the composition of 146 products was designated as a trade secret by the manufacturers. The remaining 265 products which are listed, were manufactured between 1972 and 1974, but NIOSH is unaware of their present production or composition status.

Enclosed is a copy of the NIOSH list of carcinogen containing trade name products. We are unaware of the extent of usage of these products in the railroad industry and trust that distribution of this information will minimize potential occupational health hazards.

You will note that asbestos is the major carcinogen in 88% of the products, ranging in content from less than 1% to 99% fibrous asbestos. The prevalence of asbestos should be closely examined for potential exposure conditions to railroad employees. For example, certain rail welding procedures may pose a risk to exposed employees. In these operations, asbestos is used as a packing material around the outside of the mold to prevent leakage of the weldment during the molten stage. Some of the manufacturers are aware of the potential hazard while others apparently are not. Of the largest manufacturers of rail welding equipment, only one, Orgothern Corporation, claims that no asbestos is necessary

in the process. Both Du-Wel Steel Products Company, which uses a Boutet welding technique, and Thermex Metallurgical, Inc., which uses the thermite process, use asbestos as a packing material. A fourth firm, Erico Products in Cleveland, Ohio, also uses an asbestos batting in its thermite molds.

The only company with plans of developing a substitute for the asbestos is Thermex. They are looking into the possibility of using a ceramic or cotton fiber wicking. However, preliminary information indicates that the ceramic wicking may be infeasible, with cost increases from 10 to 15 times those of asbestos. Presently, Thermex has a two to three month inventory of asbestos still to be issued in the thermite welding kits.

Both Erico and Du-Wel plan on continuing the use of asbestos in their welding processes.

We trust this information will be of value to your members in ensuring the health of their employees. Our occupational safety and health specialist, Stephen Urman, is available for further information.

Sincerely,

Donald W. Bennett
Donald W. Bennett
Associate Administrator
for Safety

Enclosure

<i>Trade Name</i>	<i>Manufacturer</i>	<i>Percentage Carcinogen</i>
Adco seal B-100	Adco Michigan	6 Asbestos
Aerobond 2199 Part A	Adhesive Engineering Co.	9 Asbestos
All purpose joint system	Hamilton Materials Inc.	1 Asbestos
Alum anatia 301 asbestos fibred aluminum roofing	Republic Powdered Metals Inc.	11 Asbestos
Aluminum asbestos	Standard Oil Co.	50 Asbestos
Aluminum roof coating	Johns-Manville Corp.	7 Asbestos
Aluminum roof coating	Monsey Products Co.	10 Asbestos
Aluminum roof coating	Mortell Co.	3 Asbestos
Amelco adhesive	American Elastomer Co.	8 Asbestos
Armstrong epoxy resin A-6 & activator	Armstrong Products Co. Inc.	23 Asbestos
Armstrong tile cement S-90	Armstrong Cork Co.	8 Asbestos
Asbestile cement	Johns-Manville PDTS Corp.	10 Asbestos
Asbestos 7R-05	Johns-Manville Corp.	99 Asbestos
Asbestos fibrous roof and equandation coating	Johns-Manville Corp.	5 Asbestos
Asbestos plastic floor cement	Midwest Products of Illinois	19 Asbestos
Ashestine 325 (3X)	International Talc Co. Inc.	25 Asbestos
Asbestine	Pfizer Inc.	99 Asbestos
Asbestos fiber 7R06	Johns-Manville PDTS Corp.	99 Asbestos
Asbestos fibre shorts 7M-90	Thompson-Hayward Chemical Co.	99 Asbestos
Asbestos No. 352	Johns-Manville Corp.	99 Asbestos
Asbestos plastic roof cement	De Witt Products Co.	14 Asbestos
Asphalt flashing cement	Karnak Chemical Corp.	25 Asbestos
Asphalt plastic cement No. 050	American Petrofina	13 Asbestos
Babbitrite #30	Rabbitrite Products Co.	7 Asbestos
Barret aluminum roof coating	Celotex Corp.	9 Asbestos
Barret E22056 wall covering cement	Celotex Corp.	9 Asbestos
Benzidine base	Allied Chemical Corp.	99 Benzidine
Bitucote sealer	Bitucote Products Co.	3 Asbestos
Black plastic cement	Johns-Manville PDTS Corp.	10 Asbestos
Blackline plastic roof cement	Southern Protective Pdts Corp.	5 Asbestos
Blind nailing cement	Monsey Products Co.	12 Asbestos
Blue strip 371-81	Reliance Universal Inc.	56 Chloroethylene
Bond master G458 series	National Starch & Chemical	2 Asbestos
Bond master W1371 adhesive	National Starch & Chemical	12 Asbestos
Buffing & Polishing compound	Harrison Co. Inc.	1 Asbestos
Bull's eye plastic cement	Gardner-Martin Asphalt Corp.	10 Asbestos
Butyl tite butyl rubber caulk	Dunn-Rainey Co. Inc.	1 Asbestos
C-13-C4 Hydralt 800-13	Flintkote Co.	3 Asbestos
CM Sealer	Bidco Sealants	45 Asbestos
Calidra resin grade 244	Union Carbide Corp.	92 Asbestos
Carbonite packing material	Anchor Packing Co.	46 Asbestos
Carbozinc No. 11 green 2G4516	Carboline Co.	5 Asbestos
Carey mastic heavy trowel grade damp resistant coating	Celotex Corp., The Phillip Carey Co. Div.	15 Asbestos
Celluflow	Cellulo Co.	80 Asbestos
Celo-set 400 birch	Laurence-David Inc.	3 Asbestos
Ceramic and quarry floor tile-cement	Chicago Mastic Co.	2 Asbestos
Cermitalc	International Talc Co. Inc.	20 Asbestos
Chalking-glazing compound	Tremco Mfg. Co.	2 Asbestos
Chemical sealing SM-902	Chemical Sealing Corp.	1 Asbestos
Chemvic-450	Goodyear Tire & Rubber Co.	47 Chloroethylene
Chrusolite #5	Cellulo Co.	50 Asbestos
Coat castrol regal	Mortell Co.	4 Asbestos
Cold application cement	Johns-Manville Corp.	10 Asbestos
Cold application cement No. 203	Henry, W W Co.	1 Asbestos
Concresive 1170 parts A & B	Adhesive Engineering Co.	4 Asbestos
Concresive No. 1 Part A	Adhesive Engineering Co.	2 Asbestos

<i>Trade Name</i>	<i>Manufacturer</i>	<i>Percentage Carcinogen</i>
Cooling system sealer	Penray Co.	4 Asbestos
Cope seal	Bidco Sealants	34 Asbestos
Culvert pipe joint compound talcote	Hydro Conduit Corp.	14 Asbestos
Custom seal cope seal	Bitco Sealant Inc.	37 Asbestos
D-931 Undercoating	Mostell Inc.	5 Asbestos
Dayco wood filler golden oak	Day, James B & Co.	8 Asbestos
Double coverage cement	Karnak Chemical Corp.	10 Asbestos
Durex flashing cement	Metropolitan Roofing Supplies	23 Asbestos
Duxseal sealing compound	Johns-Manville Corp.	50 Asbestos
Dynel	Union Carbide Corp.	60 Chloroethylene
E905	Protective Treatments Inc.	1 Asbestos
Ebibond 122	Furane Plastics Inc.	20 Asbestos
Elastic roof sealer	Monsey Products Co.	20 Asbestos
Elastigum roof coating	Celotex Corp.	5 Asbestos
Elastigum roofing cement	Celotex Corp.	20 Asbestos
Epibond 1210	Furane Plastics Inc.	5 Asbestos
Epocast 2-D	Furane Plastics Inc.	1 Asbestos
Expoxo floor coating-orange	American Abrasive Metals Co.	1 Asbestos
Exterior caulk 2541	Southern Protective Pds Co.	1 Asbestos
FM-37 Core splice adhesive form covering	AM Adhesive Metals Co.	1 Asbestos
Falcon expo-non slip coating	American Cyanamid Co.	8 Asbestos
Fedrox safety floor and deck	American Abrasive Metals Co.	1 Asbestos
Fibre glass roof coating	Monsey Products Co.	1 Asbestos
Firetite asbestos furnacement	Johns-Manville Corp.	2 Asbestos
Fisher specification 1145	Chemical Sealing Corp.	26 Asbestos
Fisher specification 1237	Chemical Sealing Corp.	10 Asbestos
Fisher specification 1300 deadener	Mortell Co.	2 Asbestos
Fisher specification 1309	Chemical Sealing Corp.	5 Asbestos
Fisher specification 1486	Mortell Co.	8 Asbestos
Fixative concentrate 1852	Roymal Co.	34 Chloroethylene
Flexigum roof coating	Celotex Corp.	5 Asbestos
Fruehauf adhesive compound	Stedi Products	1 Asbestos
GS-3 Aircraft sealant	General Sealants Inc.	10 Asbestos
GT-49-5 Power roll cam cleaner-lube	Ames Supply Co.	55 Chloroethylene
Geon 222	Goodrich, B. F. Co.	60 Chloroethylene
Geon 552	Goodrich, B. F. Co.	54 Asbestos
Glazing compound	Deshler Products Co.	2 Asbestos
Gray metal sash putty	Pecora Chemical Corp.	3 Asbestos
Grip master cement	Lea Mfg Co.	2 Asbestos
Gripmaster polishing wheel cement	Lea-Michigan Inc.	2 Asbestos
Grizzly saftigrip #16037	Maremont Corp., Grizzly Div.	57 Asbestos
Handi-Gard asbestos roof	Handi Products Co.	6 Asbestos
Heavy duty roofing coating	Southwestern Petroleum Corp.	5 Asbestos
Heavy duty sealer	Penray Co.	2 Asbestos
Hercules asbestos furnace cement	Hercules Chemical Co.	7 Asbestos
Hercules sta put plumbers putty	Hercules Chemical Co. Inc.	16 Asbestos
High velocity 10-108	Chicago Mastie Co.	2 Asbestos
Hycar 1204 x 11	Goodrich, B. F. Co.	29 Chloroethylene
Hydrocide plastic heavy fibrated bituminous damproofing compound	Sonneborn Building Products	4 Asbestos
Hydrocide semi-mastic semi-fibrated asphalt	Sonneborn Building Products	3 Asbestos
Hydroseal black cement	Gibson Homan Co.	9 Asbestos
IPM #33	Gibson Homans	9 Asbestos
Insulkote summer grade	Johns-Manville Corp.	15 Asbestos
Insulmastic	Armstrong Cork Co.	5 Asbestos

<i>Trade Name</i>	<i>Manufacturer</i>	<i>Percentage Carcinogen</i>
K-92	Kalman Paint & Chemical Co.	4 Asbestos
K-326	Kalman Paint & Chemical Co.	2 Asbestos
K-361	Kalman Paint & Chemical Co.	2 Asbestos
K-682	Kalman Paint & Chemical Co.	2 Asbestos
Karnak flashing cement	Karnak Chemical Corp.	25 Asbestos
Karnak insulation adhesive	Karnak Chemical Corp.	10 Asbestos
Karnak plastic flashing cement	Karnak Chemical Corp.	16 Asbestos
Karnak trowel mastic 86	Karnak Chemical Corp.	19 Asbestos
KAYLO	Owens-Corning Fiberglas Corp.	15 Asbestos
KAYLO 17	Owens-Corning Fiberglas Corp.	11 Asbestos
Knickerbocker roof coating	Seaboard Plastics Corp.	1 Asbestos
Liquid asbestos fiber roof coating	De Witt Products Co.	4 Asbestos
Loomie talc	International Talc Co. Inc.	25 Asbestos
Luxall fix it plastic cement	National Mfg. Corp.	12 Asbestos
M242 Elastic glazing compound	Pecora Chemical Corp.	3 Asbestos
MS plastic	Union Chemical & Oil Co.	20 Asbestos
Mack 2510-45	Mortell Co.	16 Asbestos
Mania tradesman plastic roof cement	Seaboard Plastics Corp.	19 Asbestos
Manus bond safety step non-slip paint-black	Manus Products Co.	4 Asbestos
Marineco coatings-aluminum and mastic R-13	Unicorn Chemical Coating Inc.	10 Asbestos
Mastic	Overall Paint Inc.	16 Asbestos
Metal deadener #513	Intercoastal Paint Corp.	9 Asbestos
Metal duct sealer gray 10-104	Chicago Mastic Co.	2 Asbestos
Metallic sealant	Imprex Inc.	2 Asbestos
Monsey roof fix	Monsey Products Co.	10 Asbestos
Morrite 74DBR	Mortell Co.	25 Asbestos
Muffler compound	Mortell Co.	28 Asbestos
Nicolet asbestos pipe line felt No. 15	Nicolet Industries	69 Asbestos
No drip tape	Mortell Co.	16 Asbestos
No. 1-723 Light gray anti-skid	Matcote Co. Inc.	7 Asbestos
No. 7 Roof cement	Rutland Fire Clay Co. Inc.	31 Asbestos
No. 15 Asbestos finishing felt-perforated	Johns-Manville Corp.	80 Asbestos
No. 165-100 Stapon C tank coating white base	Standard Paint & Varnish	1 Asbestos
No. 165-101 C Stapon C tank coating blue base	Standard Paint & Varnish	1 Asbestos
No. 202 Tinchex seal	Imprex Inc.	2 Asbestos
No. 351 cement	Johns-Manville Corp.	99 Asbestos
No. 352 Mortar	Johns-Manville Corp.	99 Asbestos
No. 999 Textured vault spray	L & W' Paint Products Co.	3 Asbestos
No. 1268 Vinyl	Lilly Industrial Coating Inc.	23 Chloroethylene
Noah's pitch	Celotex Corp.	10 Asbestos
Nylode NY-1/A&B/20/BK 2009	Dart Industries Inc.	20 Asbestos
OEM aluminum roof coating	Electric Paint & Varnish Co.	5 Asbestos
PTI 707 Architectural sealant	Protective Treatments Inc.	1 Asbestos
Pabco wet-patch wet surface plastic	Napco Corp.	10 Asbestos
Palmer mirro mastic	Palmer Asbestos & Rubber Corp.	6 Asbestos
Pec Ra BC 158 butyl rubber	Pecora Chemical Corp.	3 Asbestos
Pecora acitite cement type QD 2501 F	Pecora Corp.	2 Asbestos
Pecora blk special mirror mastic	Pecora Chemical Corp.	32 Asbestos
Perm-E-Lastic glazing compound	Perfection Model Products Co.	6 Asbestos
Perm seal caulking compound	Timesaver Products Co. Inc.	5 Asbestos
Perma gum chords	Virginia Chemicals Inc.	40 Asbestos
Permagum sealant	Inmont Corp.	30 Asbestos

<i>Trade Name</i>	<i>Manufacturer</i>	<i>Percentage Carcinogen</i>
Perma-seal Caulking compound knife grade #26 gray	Timesavers Products Co. Inc.	8 Asbestos
Permatex pipe joint compound	Permatex Inc.	3 Asbestos
Permroof wet surface type	Republic Powdered Metals Inc.	2 Asbestos
Phoenix asphalt plastic cement	Fry, Lloyd A Roofing Co.	18 Asbestos
Plastic elasticum	Celotex Corp.	16 Asbestos
Plastic roof cement	Alcatraz Co. Inc.	15 Asbestos
Plastic roof cement	Henry, W W Inc.	5 Asbestos
Plastiite roof cement	Coopers Creeks Chemical Corp.	10 Asbestos
Plastic roofing cement	Celotex Corp.	20 Asbestos
Plastic roofing cement	Johns-Manville Corp.	20 Asbestos
Plastic roofing cement	Overall Paint Inc.	16 Asbestos
Plastic roofing cement No. 204	Henry, W W Inc.	4 Asbestos
Plastiseal expanding joint compound	Johns-Manville Corp.	10 Asbestos
Presstite products 440, 22 sealer	Inmont Corp.	2 Asbestos
Pressure sealer IC 450	Birma Products Corp.	7 Asbestos
Pro seal 700	Teledyne Inc., Teledyne Const. Pro-Seal Div.	5 Asbestos
Quaker coat undercoating	Quaker State Oil Refining Corp.	10 Asbestos
Quaker coat solvent type undercoating	Southwest Grease & Oil	22 Asbestos
Quakercote emulsion type undercoating	Quaker State Oil Refining Corp.	10 Asbestos
RBH 5411 Medium chrome green	Inmont Corp.	20 Chloroethylene
RBH 5413 Chrome yellow paste	Inmont Corp.	15 Chloroethylene
RBH 5414 Light chrome yellow	Inmont Corp.	15 Chloroethylene
RBH 5415 Molybdate orange	Inmont Corp.	13 Chloroethylene
RBH 5430 Vinylite paste wachtung red	Inmont Corp.	20 Chloroethylene
Radiator sealer	Permatex Inc.	1 Asbestos
Redy coat rain patch 406 NTP	Gilsonite Inc.	14 Asbestos
Roof cement	Dewitt Products Co.	14 Asbestos
Roof coating asphalt	American Petrofina	6 Asbestos
Roof finish roofing cement	Monsey Products Co.	10 Asbestos
Roof fix coating	Monsey Products Co.	4 Asbestos
Roof kooter 732-00	Grow Chemical Corp.	5 Asbestos
Roof patch	Garland Maintenance Products	11 Asbestos
Roof preservative, tar & asphalt types	Tremco Mfg. Co.	4 Asbestos
Rutland No. 4 roofing cement	Rutland Fire Clay Co. Inc.	12 Asbestos
SC-150	Reliance Universal Inc.	30 Asbestos
SG-210 Sealant	General Sealants Inc.	5 Asbestos
S. I. S. cement	Celotex Corp.	10 Asbestos
SM 475 Sealer	Chemical Sealing Corp.	5 Asbestos
SM-856 Chemical sealing	Chemical Sealing Corp.	16 Asbestos
Santo flex 13	Monsanto Co.	2 4-Aminodiphenyl
Saran	Amtech Inc.	13 Chloroethylene
Sherwin Williams kemak (R) hard set B D65YA	Sherwin-Williams Co.	8 Asbestos
Stainless Putty	Black Swan Manufacturing Co.	3 Asbestos
Supercote roof preservative	Garland Maintenance Products	2 Asbestos
TL-5-27-14 Olivetti gray	Sprayon Inc.	16 Chloroethylene
TL-500-6-6 Medium raphael blue laque	Sprayon Inc.	16 Chloroethylene
TL-500-6-10 Editor 2 blue	Sprayon Products Inc.	16 Chloroethylene
TL-500-27-19 Praxis gray	Sprayon Inc.	16 Chloroethylene
TL-500 27-24 Dove gray	Sprayon Inc.	16 Chloroethylene
TL-500 42-2 Lexicon tan	Sprayon Inc.	16 Chloroethylene
TL-500 42-4 Sandstone beige	Sprayon Inc.	16 Chloroethylene
Talcote cold plastic sewer joint compound	American Petrofina	18 Asbestos

<i>Trade Name</i>	<i>Manufacturer</i>	<i>Percentage Carcinogen</i>
Thermobestos pipe insulation	Johns-Manville Corp.	7 Asbestos
Thixon B	Wittaker Corp., Dayton Chemical Products Div.	12 Methylenebis (2-Chloroaniline) 4.4'
Tite seal T-25LW	Radiator Specialty Co.	26 Asbestos
Topaz G77HC114	Sherwin-Williams Co.	50 Chloroethylene
Transite conduit joint sealing compound	Johns-Manville PDTS Corp.	10 Asbestos
Tremco glazing compound- dark green	Tremco Mfg. Co.	2 Asbestos
Tremco mastic roof cement	Tremco Mfg. Co.	15 Asbestos
Tremco 102 texture coating	Tremco Mfg. Co.	13 Asbestos
Tremco seam sealer	Tremco Mfg. Co.	2 Asbestos
Tremco tremfix emergency roof repair mastic	Tremco Mfg. Co.	16 Asbestos
Tremfix emergency roof repair mastic	Tremco Mfg. Co.	16 Asbestos
Tropical roofkooter	Grow Chemical Corp.	5 Asbestos
Tru-seal	Elixer Industries	13 Asbestos
Tuff kote white	Tuff Kote Co. Inc.	8 Asbestos
UF-1120	Thiokol Chemical Corp.	41 Asbestos
Unibestos	Pittsburgh Corning Corp.	71 Asbestos
Unipar mils-79168	Parker-Hannifin Corp.	2 Asbestos
V5233 Dulling agent top coat	R A Chemical Co.	12 Chloroethylene
VS 6001 cement	Moyen, C. P. Co.	30 Chloroethylene
Vulcatex P. G. caulking compound	Grace, W. R. & Co.	30 Asbestos
Wall board adhesive No. 36	Ohio Sealants Inc.	12 Asbestos
Wards brake shoes	Raybestos-Manhattan Inc.	46 Asbestos
Weatherized plastic cement	Celotex Corp.	1 Asbestos
Weatherproofing compound C 13A	Flintkote Co.	8 Asbestos
Weldiast CL 200	Youngstown Sheets & Tube Co.	2 Asbestos
White hydroseal #559	Pabco Paint Corp.	8 Asbestos
Winter plastic	Union Chemical & Oil Co.	18 Asbestos
Wood filler paste	Lawrence-McFadden Co.	19 Asbestos
5K04 Asbestos	Johns-Manville Corp.	99 Asbestos
7K05 Asbestos	Johns-Manville Corp.	99 Asbestos
8A Resin	Magnolia Plastic Inc.	1 Asbestos
8B Catalyst	Magnolia Plastic Inc.	3 Asbestos
#54 Acoustic R-200	Roach Paint Co. Inc.	9 Asbestos
85% Magnesium insulation	Johns-Manville Corp.	15 Asbestos
#113-2 Epoxy	Ablestik Laboratories	9 Methylenebis (2-Chloroaniline)
#166-5 Epoxy	Ablestik Laboratories	17 Asbestos
2143B Base	Adhesive Engineering Co.	10 Asbestos
No. 352-7M Refractory cement	Johns-Manville PDTS Corp.	99 Asbestos
421, 83	Inmont Corp.	7 Asbestos
600 Putty	Dunn-Rainey Co. Inc.	1 Asbestos
627 Tough film mortex	Mortell Co.	3 Asbestos
#613WB Wet patch plastic cement	Marvin Corp.	23 Asbestos
#758 Asphalt	Intercoastal Paint Corp.	6 Asbestos
2200 French provincial wiping stain 544-D9-181	Reliance Universal Inc.	2 Asbestos
2510-45 Insulmat	Mortell Co.	12 Asbestos
5030 Hardener	Philadelphia Resins Co. Inc.	27 Asbestos
5030 Resin	Philadelphia Resins Co. Inc.	25 Asbestos