

ASARCO

BULLETIN ON ASBESTOS PUBLICATIONS

Library Central Research Laboratories
American Smelting and Refining Company
South Plainfield, New Jersey 07080

January 1969

PLAINTIFF'S EXHIBIT

CAP-313

1. --
Asbestos Corp. to develop a new mine.
(News note) Can. Min. J. 90(1), 11, Jan. 1969.
2. --
Building blocks of industry - Industrial minerals in
1968 -- annual survey of sources, consumption, produc-
tion, uses, and demand.
Mining Eng. 21(1), 51-76, Jan. 1969.
3. Callahan, Howard E. & O'Connor, R.J. to Philip Carey Corp.
Laminated vapor barrier sheet material -- bituminous
mastic between sheets of bitumen-saturated asbestos
felt.
U.S. 3,424,647, Jan. 28, 1969.
4. Lynch, Jeremiah R.
Brake lining decomposition products -- asbestos bodies
in lungs of urban residents may be one of causes of
lung cancer.
Air Pol. Control Assn., J. 18(12), 824-6, Dec. 1968.
5. Morway, Arnold J. & Bodner, A.J. to Esso Res. & Eng. Co.
Lubricant containing alkaline earth metal mixed salt
thickeners and colloidal asbestos.
U.S. 3,424,678, Jan. 28, 1969.
6. Ovcharenko, Fedor.
Investigation of the physicochemical mechanics of
clay-mineral dispersions -- drilling muds.
(Translated from Russian.) New York, Davey, 1967. 146 p.,
illus., bibl. \$7.50.

Charlotte K. Boardman
Librarian

ASARCO ALV 0002166

Order 897

ASARCO

BULLETIN ON ASBESTOS PUBLICATIONS

Asarco Central Research Laboratories
American Smelting and Refining Company
South Plainfield, New Jersey 07080

1. --
Lead asbestos pads -- for vibration isolation at John F. Kennedy Center for the Performing Arts, Wash., D.C.
(News note) Skilling's Min. Rev. 58(4), 18, Jan. 25, 1969.
2. --
Resin-grade asbestos improves thixotropic properties of highway marker adhesive.
Adhesives Age 12(3), 37, Mar. 1969.
3. Donaldson, William Kenneth
Yarns from asbestos dispersion -- continuous, coherent films & yarns produced.
Brit. 1,129,815, Oct. 9, 1968. (CA 70, 6361).
4. Georgievskii, G.A. & Olina, M. Ya.
Coating and seizing during friction of (asbestos-resin) plastics on cast iron -- at $\leq 1000^\circ$ studied by microscopy.
Vop. Treniya Probl. Smazki 1968(127-31). (Russ.) (CA 70:4863).
5. Hill, John Alfred (Johns-Manville Corp.)
Insulating panels for roofing.
Fr. 1,505,927, Dec. 15, 1967. (CA 70, 6389).
6. Isaacs, Marx
Selecting efficient, economical insulation -- survey on over 20 materials, including asbestos, copper, brass, & gold for reflection, cryogenic, high-temperature, etc. thermal insulation.
Chem. Eng. 76(6), 143-50, Mar. 24, 1969.
7. Nekrasov, K.D. & others
Binders for heat resisting materials -- asbestos cement, concrete, etc. applicable at up to 1000° .
Brit. 1,129,732 (CA 70:6380).
8. Walton, M. & Skeoch, T.
Diagnosis of asbestosis by needle lung biopsy -- under local anesthetic.
Thorax(London) 41, 556-62, Sep. 1968. (Indus. Hyg. Dig. 32(11) #1092, p.18, Nov. 1968).

ASARCO

BULLETIN ON ASBESTOS PUBLICATIONS

Library: Central Research Laboratories
American Smelting and Refining Company
South Plainfield, New Jersey 07080

May 1969

1. --
Asbestos has been discovered in a remote mountainous area in the Yukon-Tanana Upland near Eagle.
(News note) E/MJ 170(4), 145, Apr. 1969.
2. --
Miles of pipe covered by preformed insulation.
Elec. World 170, 51, Nov. 25, 1968. (A.S.T.I., Apr. '69)
3. --
Mineral reinforced PE -- Ceraplasts, compounds of asbestos and polyethylene, for molding, extrusion, & blow molding. Sinclair-Koppers Co., Pittsburgh, offers 20p. product booklet.
Mod. Plastics 46(5), 182, 185, May 1969.
4. --
Production statistics for the first quarter, 1968 -- compared with 1st, 2nd, & 4th quarters, 1967; tabulation.
Gummi, Asbest, Kunststoff 22(4), 403-5, Apr. 1969.
5. --
Sulfur/asbestos mortar -- instead of concrete masonry cement.
(News note) Minerals Processing 10(4), 6, Apr. 1969.
6. Arav, R.I. & others
"Sovelit" -- a construction material containing asbestos.
USSR pat. 226,449, Sept. 5, 1968. (In Russ.) (CA 70:31391)
7. Artemov, V.R. & others
Artificial serpentinization of peridotite -- harzburgite heated in water and in steam under pressure formed serpentine scales.
Zap. Vses Mineral. Obshchest. 97(6), 688-94 (1968). (In Russ.) (CA 70:59675)
8. Badollet, M.S.
Physical properties and technical applications of asbestos minerals. -- effects of mineral impurities, etc., test methods, tumor development.
C.I.M. Bull. 62(684), 432-7, Apr. 1969.

NYC

9. Bohlrig, H.
Pathological symptoms due to inhalation of asbestos dust -- among residents in vicinity of asbestos plants or mines; asbestos implicated as inducing malignant tumors.
Zentr. Arbeitsmed. u. Arbeitsschutz, 16, 353-5, Dec. 1966. (Indus. Hyg. Dig., Mar. 1969, p.22)
10. Cuthbert, J.
The community hazards of asbestos. -- to those having occasional, slight, or temporary contact, such as construction workers handling asbestos materials.
Munch. med. Wochschr. 109, 1369-72, Apr-June 1967. (In Ger.) (Indus. Hyg. Digest, March 1969, p.21)
11. Gaensler, E.A. & Addington, W.W.
Asbestos or ferruginous bodies -- visual similarity and methods of distinguishing one from the other.
New Engl. J. Med. 280, 488-92, Feb. 27, 1969. (Indus. Hyg. Dig., Mar. 1969, p.21)
12. Gonzalez de Juana, Clemente; Munoz, J.; & Nicolas, G.
Ultramafic rocks on the Paria Peninsula, Venezuela. -- petrographic data & chem. analyses of 15 rocks from 7 serpentinized peridotites.
Bol. Inform. Asoc. Venez. Geol., Minería Petrol. 11(2), 29-43, (1968). (In Span.) (CA 70:21835)
13. Grammakov, A.G. & others
Use of nuclear magnetic resonance to study some natural formations -- isotopic composition of ^1H , ^7Li , & ^{19}F detn'd from NMR spectra in chrysotile asbestos & other minerals.
Vop. Razved. Geoz. 1967(6), 215-23. (In Russ.) (CA 70:30717)
14. Hagerstrand, I.; Meurman, L.; & Odlund, B.
Asbestos bodies in the lungs and mesothelioma. A retrospective examination of a ten-year-autopsy material. -- asbestos and mesothelioma linked, often without fibrosis.
Acta Pathol. Microbiol. Scand. (Copenhagen) 72(2), 177-91, (1968). (Indus. Hyg. Dig., Mar. 1969, p.22)
15. Hinton, J.H. & Temple, C.J. (DuPont, Aiken, S.C.)
Operating experience with airborne activity confinement systems at the Savannah River Plant -- performance of glass felt asbestos filters collecting airborne radioactive particles and halogen vapors over a 5-year period. July 1968.
DPSPU-68-30-4, (CONF-680811-12) (NSA 23(8), #15707, Apr. 30, '69)
16. Johannes, Wilhelm
Experimental investigation of the reaction forsterite + $\text{H}_2\text{O} \rightleftharpoons$ serpentine + brucite -- gives lower equilibrium temperature, approx. 60° .
Beitr. Mineral. Petrol. 19(4), 309-15, (1968). (In Engl.) (CA 70:23475)

17. Kudishina, V.A.
Heat-resistant adhesive materials -- modified B-1 used to bond asbestos-cement, steel, Ti alloy, glass-fiber laminate, & graphite.
Vestn. Mashinstr. 48(7), 44-5, (1968). (In Russ.) (CA 70:20714)
18. Lima, Daniel A. to FMC Corp.
Floor polishing compositions - for asbestos tile.
U.S. 3,413,252, Nov. 26, 1968. (CA 70:30201)
19. Lipsett, Solomon G. to Asbestos Corp. Ltd.
Improving the filtration characteristics of asbestos fibers.
Fr. pat. 1,504,919, Dec. 8, 1967. (CA 70:22638)
20. Matsuno, T.
Diaphragms for electrolysis, Parts 2 & 3 -- of asbestos; ionic mobility, membranes, cavities, electrical resistivity. Translation of Kogyo Kagaku Zasshi 52, 281-4 (1949). NASA-TT-F-11846. (STAR N69-16063-07-05)
21. Mortimer, R.H. & Campbell, C.B.
Asbestos exposure and pleural mesotheliomas.
Med. J. Australia 2, 720-22, Oct. 26, 1968. (Indus. Hyg. Dig., Mar. 1969, p. 22)
22. Pogarskaya, T.I. & others
Effect of polyacrylamide on structuring processes in dilute asbestos suspensions -- a flocculating effect affording a high rate of filtration.
Zh. Prikl. Khim. (Leningrad) 41(10), 2170-5, (1968). (In Russ.) (CA 70:31365)
23. Polliack, A. & Sacks, M. I.
Prevalence of asbestos bodies in basal lung smears -- in Jerusalem; compared with various other cities, Montreal highest frequency.
Israel J. Med. Sci. 4, 223-6, Mar./Apr. 1968. (Indus. Hyg. Dig., Mar. 1969, p.22)
24. Sheshneva, Yu. I. & Dubinina, Z.L.
Ceramic product composition -- a binder consisting of soln. of asbestos in H_3PO_4 .
USSR pat. 222,924, July 22, 1968. (In Russ.) (CA 70:22654)
25. Shiuh, Chung Hsiung to Johns-Manville Corp.
Separation of magnetite from (chrysotile) asbestos fibers -- by a magnetic or gravitational separator.
U.S. 3,424,307, Jan. 28, 1969. (CA 70:59387)
26. Stoces, Boris & others
Comparison of shielding properties for two types of concrete -- serpentine-type had best n-shielding properties.
Ustav Jad. Vyzk. (Ref.) 1968 UJV no. 2099-R/68. (In Czech.) (CA 70:63155)

ASARCO

BULLETIN ON ASBESTOS PUBLICATIONS

Library of Central Research Laboratories
American Smelting and Refining Company
South Plainfield, New Jersey 07080

May 1969

1. Aripov, E.A. & others
Adsorption of a water-soluble polymer on natural sorbents -- chrysotile asbestos & other matls.; in solns. containing supramolecular structures, adsorption is independent of the sorbent.
Uzb. Khim. Zh. 12(6), 26-8, (1968). (CA 70: 91096)
2. Battista, Orlando A. & Karasinski, Frank J., to FMC Corp.
Aluminum and similar metal articles reinforced by modified submicron chrysotile fibers.
US 3,431,090. (CA 70: 90275)
3. Dight, J.F.
Adhesion to a very porous substrate -- mfg. of asbestos board & suggestions for improvement of bonding.
Aspects Adhes. 4, 47-64, (1966; pub. '68). (CA 70: 97676)
4. Gad, Gamal & Girgis, Lamey G.
Stable dolomite refractories -- also serpentine studied as to mineral composition & thermochemical changes upon heating.
J. Chem. U.A.R. 11(2), 219-28, (1968). (In Engl.) (CA 70:117,700)
5. Gerasimov, E.; Lepkova, D.; & Pavlova, Yu.
Change in the physical-mechanical properties and phase composition on heating serpentinite from the Dolni Pasarel deposit in the Sofia region -- studied by microscope and x-ray for reactions with and without addition of LiF.
Khim. Ind. (Sofia) 1968(9), 394-8. (Bulg.) (CA 70: 89554)
6. Guertler, Horst C.G.H. (to Rex Asbestwerke Graf von Rex K-G)
Production of coherent bodies from asbestos dispersions.
Brit. 1,143,573. (CA 70: 90453)
7. Hruskova, J. & Kourimsky, J.
Mineralogical identification of some Czechoslovak serpentine asbestos -- chemical analyses, optical data, D.T.A. curves, & x-ray powder data.
Sb. Nar. Mus. Praze 24b(1), 61-71 (1968). (Engl.) (CA70:108184)
8. Jackson, Joseph C. & Seipt, W.R. (to Certain-Teed Prod. Corp.)
Method of curing hydraulic cement -- asbestos cement pipe.
U.S. 3,428,721 (CA 70: 90507)

9. Lipsett, Solomon G. to Asbestos Corp., Ltd.
Improving the freeness of asbestos. -- a treatment to reduce time for draining water out of a suspension of asbestos fiber placed on a screen.
Brit. 1,143,842 . (CA 70: 116,703)
10. Lipsett, Solomon G. to Asbestos Corp., Ltd.
Improving the freeness of asbestos fibers -- by treatment with SiO_2 solution.
Brit. 1,134,296, 20 Nov. 1968. (CA 70: 99321)
11. Mader, Richard
Czechoslovakian faolite and its applications -- table of chemical resistance of 2 faolites, one with asbestos filler, in more than 60 chemical compounds at 90-140°.
Chem. Prum. 18(11/12), 625-7 (1968). (Czech.). (CA 70: 90405)
12. Martinez, Bermejillo
Dust pollution of work stations -- asbestosis & silicosis problems & preventive measures.
Med. Segur. Trab. 16(62/63), 36-43 (1968), Span. (CA 70: 99403)
13. Menges, Georg & Kleinholz, R.
Plastics reinforced with special fibers -- including asbestos and compared for strength.
Kunststoffe 58(12), 919-24 (1968). (In German) (CA 70: 88628)
14. Morway, Arnold J. & Bodner, Albert J. (Esso Res. & Engg. Co.)
Lubricating greases containing colloidal asbestos -- made water-insoluble; penetration of 272 and dropping point of 400° + F.
U.S. 3,433,743, 18 Mar. 1969. (CA 70: 108076)
15. Nazarenko, Z.P.; Kagan, S.F.; & Savchenkova, V.P.
Use of microfillers in alkyd enamels -- finely-powdered asbestos, or other fillers, affect hardness, covering power, viscosity.
Lakokrasoch. Mater. Ikh. Primen. 1968(1), 8-10. (In Russ.)
(CA 70: 97995)
16. Nicolas, Adolphe
Serpentinization of a lherzolite: chemical balance and tectonic implications -- gains and losses in the transformation.
Bull. Volcanol. 32(3), 499-508 (1969). (French) (CA 70: 117081)
17. Nussbaum, R. & Cossalter, (Mrs.) J.
Asbestos as an atmospheric polluting agent -- state-of-the-art review.
Pollut. Atmos. 9(35), 172-4, (1967). (Fr.) (CA 70: 90535)
18. Poroshin, G.V. & others
Factors affecting the strength properties of Paronit (rubberized asbestos) -- include thrust force in milling & kind of binding agent.
Prozvod. Shin, Rezinotekh. Asbestotekh, Izdelli 1968(2), 6-8, (Russ.) (CA 70: 117707).

19. Ramdohr, Reinhard
Crocidolite asbestos occurrence in northwestern Australia
-- at Wittenoom.
Aufschluss 19(12), 308-12 (1968). (In Ger.) (CA 70: 98684)
20. Saito, Hajime & Yamai, Iwao
Synthesis of chrysotile. VII. Effect of iron ions on the
formation of chrysotile under hydrothermal dehydration
process. -- neg. effect on formation of fibers & temp.
of formation lowered.
Yogyo Kyokai Shi 76(878), 331-7 (1968). (Jap.) (CA 70: 90402).
21. Shannon, Richard F. (Owens-Corning Fiberglas Corp.)
Thermal insulation -- asbestos filler with Ca silicate
binder & alkali silicate addns.
S. Afr. 68 02,974. 17 Oct. 1968. 22p. (CA 70:108926)
22. Tanaka, Akihiko & others
Extraction of magnesium and other metals from serpentine.
I. Chemical reaction in roasting of serpentine with
ammonium sulfate. -- thermogravimetric and x-ray diffrac-
tion studies.
Muroran Kogyo Daigaku Kenkyn Hokoku 6(1), 253-62 (1967). (Jap.)
(CA 70: 89829)
23. Tanaka, Akihiko & others
Extraction... II. Extraction of magnesium from the product
obtained by roasting serpentine with ammonium sulfate.
Muroran Kogyo Daigaku Kenkyn Hokoku 6(1), 263-71 (1967). (Jap.)
(CA 70: 89830)
24. Taprogge, Rainer & Kleinholz, R.
Reinforcing plastics with inorganic and metallic fibers --
asbestos mats, quartz yarn, & steel wires studied for
stiffness, adhesion, and elastic modulus.
Plastverarbeiter 20(2), 99-106 (1969). (Ger.) (CA 70: 115942)
25. Tatarinov, P.M. & Artemov, V.R., eds.
Deposits of chrysotile asbestos in the U.S.S.R. (book; no
abstr.) Moscow, 1967, 570p.)
(CA 70: 89812)