TUBOLEVA, M.I.

Textolite signaling membranes. Elek. i tepl. tiaga 6 no.11:29 N '62. (MIRA 16:1)

1. Inzhener po ratsionalizatsii sluzhby lokomotivnogo khozyaystva Donetskoy dorogi.
(Locomotives--Equipment and supplies)

PETRENKO, Boris Grigor'yevich [Petrenko, B.H.], prof.; GORBAN', M.I. [Horban', M.I.], kand.veterin.nauk, red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Achievements of Soviet veterinary medicine] Dosiahnennia radians'koi veterynarii. Kyiv, 1958. 32 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.21) (MIRA 12:2)

(Veterinary medicine)

KOLONIY, Vladimir Panteleymonovich [Kolonyi, V.P.], kand.biol.nauk; SHMATKO, Yu.G. [Shmatko, IU.H.], kand.sel'skokh.nauk, red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[How a collective farm increases the output of livestock products; practices of the Shevchenko Collective Farm, Uman District, Cherkassy Province] IAk kolhosp zbil'shuie vyrobnytstvo tvarynnyts'koi produktsii; z dosvidu kolhospu im. Shevchenka, Umans'koho raionu, na Cherkashchyni. Kyiv, 1958. 37 p. (Tovarystvo dlia poshyrennia politychnykh znan' Ukrains'koi RSR. Ser.3, no.11) (MIRA 12:2)
(Stock and stockbreeding)

YUKHIMCHUK, Fedor Filippovich [IUKHIMCHUK, F.P.], kand.sel'skokh.nauk; GIRKO, P.A. [HIRKO, P.A.], prof., red.; TUBOLEVA, M.V.[Tubolieva, M.V.], red.

[Growing buckwheat in the Ukraine] Dosvid vyroshchuvannia hrechky na Ukraini. Kyiv, 1958. 37 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukraina'koi RSR. Ser.3, no.1) (MIRA 12:3)
(Ukraine--Buckwheat)

ZAVILYANSKIY, Izrail' Yakovlevich [Zavilians'kyi,I.IA], kand. med. nauk; RASIN, S.D., doktor med. nauk, otv. red.; TUBOLEVA, M.V.[Tubolieva, M.V.], red.

[Treatment by word; psychotherapy] Likuvannia slovom; psikhoterapiia. Kyiv, 1961. 46 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.5) (MIRA 14:9)
(PSYCHOTHERAPY)

KAPCHINSKAYA, Yefrosin'ya Ivanovna [Kapchins'ka, IE.I.], kand. geogr. nauk; LOMAYEV, O.O.[Lomaiev, O.O.], kand. geol.-min. nauk, otv. red.; TUBOLEVA, M.V.[Tubolieva, M.V.], red.; MATVIYCHUK, O.A., tekhn. red.

[Our flourishing republic; sketch on the natural features and natural resources of the Soviet Ukraine] Nasha kvitucha respublika; narys pro pryrodu i pryrodni bahatstva Riadians'koi Ukrainy. Kyiv, Tovarystvo "Znannia" Ukrains'koi RSR, 1963. 44 p. (MIRA 16:12)
(Ukraine--Economic geography)

SMIRNOV, L.S., kand. tekhn. nauk; STAROVOYTENKO, G.P., otv. red.; TUBOLEVA, M.V., red.

[Artificial fur] Iskusstvennyi mekh. Kiev, 1961. 39 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.6, no.15) (MIRA 14:11)

(Fur, Artificial)

KOROTKORUCHKO, Vasiliy Pavlovich, doktor biolog. nauk; LIPKAN, M.F., doktor biolog. nauk, ptv. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Modern concepts of metabolism in the organism] Suchasni uiavlennia pro obmin rechovyn v organizmi. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.6) (MIRA 14:8)

(METABOLISM)

GEL'TS, Vladimir Emil'yevich [Hel'ts, V.Ye.]; GONCHAROV, S.V. [Honcharov, S.V.]; kand.khim.nauk, otv.red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.; MATVIYCHUK, O.A., tekhred.

[Polyvinyl chloride; preparation, methods of processeing, uses in the national economy] Polikhlorvinil; oderzhannia, vlastyvosti, sposoby pererobky ta zastosuvannia v narodnomu hospodarstvi. Kyiv, 1961. 41 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.4). (MIRA 14:6)

(Ethylene) (Plastics)

GOLOVANOV, Nikolay Grigor'yevich; KUZNETSOV,V.I., kand.khim.nauk, otv.red.; TUBOLEVA,M.V., red.

[Solid fuel as a chemical raw material]Tverdoe toplivo kak khimicheskoe syr'e. Kiev, 1961. 41 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrains'koi SSR. Ser.6, no.2) (MIRA 14:5)

(Fuel) (Chemical industries)

SHEVCHENKO, Anton Yefimovich [Shevchenko, A.IU.], doktor ekonom.nauk; KOROID, O.S., kand.ekonom.nauk, otv.red.; TUBOLEVA, M.V. [Tubolieva, M.V.] red.

[Steady growth in labor productivity is the most important condition for the victory of communism] Neukhyl'ne zrostannia produktyvnosti pratsi - naivazhlyvisha umova peremohi komunizmu. Kyiv, 1960. 55 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.2, no.4/5). (MIRA 13:8)
(Efficiency, Industrial)

TROFIMOV, Vladimir Petrovich; KRAVETS, V.I., kand.tekhn.nauk, otv.red.; TUBOLEVA, M.Y., red.

[Principal trends in the expansion of coal mining in the Ukrainian S.S.R.] Glavneishie napravleniia razvitiia ugol'noi promyshlennosti Ukrainskoi SSR. Kiev, 1960. 31 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.7, no.8). (MIRA 14:1)

(Ukraine--Coal mines and mining)

NESTERENKO, Petr Maksimovich; GUSAK, Fedor Akimovich [Husak, F.A.]; SERIKOV, Nikolay Andreyevich [Sierikov, M.A.]; BERNATSKIY, S.V. [Bernats'kyi, S.V.], red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Raising waterfowl; practices of the "XX Z'izd KPRS" Collective Farm, Primorskiy District, Stalino Province] Rozvedennia vodoplavnoi ptytsi; z dosvidu kolhospu im. XX z'izdu KPRS, Prymors'koho raionu, Stalins'koi oblasti. Kyiv, 1958. 27 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.18) (MIRA 12:2)

(Water birds)

BURKSER, Yevgeniy Samoylovich; PAVLOV, V.L., otv.red.; TUBOLEVA, M.V., red.

[What is geochemistry about?] Chem zanimaetsia geokhimiia. Kiev, 1960. 36 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.5, no.8) (MIRA 13:11)

1. Chlen-korrespondent AN USSR (for Burkser).
(Geochemistry)

SOKOL, Pavel Fedorovich, kand.biolog.nauk; SNIZHKO, V.L., dotsent, red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[How to store potatoes on collective and state farms] IAk zberihaty kartopliu v kolhospakh ta radhospakh. Kyiv, 1958. 38 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.19) (MIRA 12:2)
(Potatoes--Storage)

BUBLIK, Andrey Ivanovich [Bublyk, A.I.], kand.tekhn.nauk; OBOLENSKIY, Yu.A., [Obolens'kyi, IU.A.], dotsent, red.; TUBOLEVA, M.V. [Tubolieva, M.V.], rei.

[Water supply for stock farms] Vodopostachaniia tvarynnyts'kykh ferm. Kyiv, 1958. 39 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.], no.22) (MIRA 12:2)
(Water supply, Rural)

SNEZHKO, Vladimir Lavrent'yevich [Snizhko, V.L.]; BUHLYAY, O.K. [Burliai, H.K.], red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Hints for preserving fruits and vegetables] Porady po konservuvanniu plodiv i ovochiv. Kyiv, 1958. 39 p. (Tovarystvo dlia poshyrenaia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.12) (MIRA 12:2)
(Canning and preserving)

STUDITSKIY, Aleksandr Nikolayevich [Studyts'kyi, O.M.], prof., doktor biolog.nauk; SUKHOV, A.D., red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.perevoda

[Regenerative powers of the body] Vidnovni syly organizmu. Kyiv, 1959. 35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.18) (MIRA 13:2)
(REGENERATION (BIOLOGY))

VLASYUK, Petr Antinovich [Vlasiuk, P.A.], akademik; SIROCHENKO, I.A., prof., red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[New microfertilizers] Novi mikrodobryva. Kyiv, 1958. 42 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.8) (MIRA 12:3)
(Trace elements)

STEPANOVA, Ol'ga Sergeyevna; BOGATSKIY, Aleksey Vsevolodovich; GOLUB, A.M., otv.red.; TUBOLEVA, M.V., red.

[Chemistry in the service of people] Khimiia na sluzhbe naroda. Kiev, 1960. 31 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.5, no.12) (MIRA 14:2)

(Chemistry)

RODIONOV, Sergey Petrovich, doktor geologo-mineral.nauk; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[What Ukrainian geologists are contributing to the seven-year plan] Shcho dadut' geology Ukrainy v semyrichtsi. Kyiv, 1960. 30 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.5). (MIRA 13:6)
(Ukraine--Geology, Economic)

BRASLAVSKIY, Iosif Moiseyevich [Braslavs'kyi, I.M.]; RUBANOVS'KYI, P.M., otv. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Special features in the postwar development of the capitalist economy] Osoblyvosti pisliavoiennoho rozvytku svitovoi kapitalistychnoi ekonomiky. Kyiv, 1960. 33 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.2, no.2). (MIRA 13:6)

(Economic conditions)

ASATIANI, Vladimir Samsonovich; RIVKIND, T.L., red.; TUBOLEVA, M.V. [Tubolieva], red.perevoda

[Biological catalysts] Biologichni katalizatory. Kyiv, 1959. 35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.16) (MIRA 13:1)
(ENZYMES)

OS'MAK, Illarion Terent'yevich, kand.tekhn.nauk; STEPANENKO, A.N., red.; MATIYKO, O.M. [Matiiko, O.M.], red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Over-all mechinization of corn harvesting] Kompleksna mekhanizatsiia zbyrannia kukurudzy. Kyiv, 1958. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.2) (MIRA 12:3)

(Corn (Maize)--Harvesting)

ANDRIYENKO, Leonid Vasil'yevich [Andriienko, L.V.]; KOSENKO, P.F., red.; TUBOLEVA, M.V. [Tubolieva], red.

[For the further development of the collective-farm system] Za dal'shyi rozkvit kolhospnoho ladu. Kyiv, 1958. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.3, no.17) (MIRA 12:3)
(Collective farms) (Machine-tractor stations)

SYABRYAI, Vladimir Terent'yevich [Siabriai, V.T.], doktor geol.-mineral. nauk; GOLOVTSIN, V.M. [Holovtsyn, V.M.], otv.red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Chemical raw materials in the Ukraine] Khimichna syrovyna na Ukraini. Kyiv, 1960. 38 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.5, no.21). (MIRA 14:3)

(Ukraine--Natural resources)

KONOZENKO, Ivan Dmitriyevich, doktor tekhn.nauk; STRIZHAK, V.I., kand. fiz.-mat.nauk, otv.red.; TUBOLEVA, M.V., red.

[Effect of nuclear radiation on the physical properties of solids; radiation physics of solids] Deistvie iadernykh izluchenii na fizicheskie svoistva tverdykh tel; radiatsionnaia fizika tverdogo tela. Kiev, 1960. 39 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Ukrainskoi SSR. Ser.5, no.13). (MIRA 14:3)
(Solids, Effect of radiation on)

BULASH, Mikhail Alekseyevich, kand. ekonom. nauk; DEMCHENKO, V.P., kand. ekon. nauk, otv. red.; TUBOLEVA, M.V.[Tubolieva,M.V.], red.

[Decisive factor in the development of mankind; development and consolidation of the international socialist economic system] Vyrishal'nyi faktor rozvytku liudstva; rozvytok ta zmitsnennia svitovoi sotsialistychnoi sistemy hospodarstva. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Ser.4, no.4) (MIRA 14:9)
(Communist countries—Economic conditions)

VOLEVAKHA, Nikolay Maksimovich [Volevakha, M.M.]; SHCHERBAN', M.I., kand. geogr. nauk, otv. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.; MATVIICHUK, O.A., tekhn. red.

[How to control the weather] Chy mozhna keruvaty pohodoiu. Kyiv, 1961. 31 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR, Ser.6, no.24) (MIRA 15:1)
(Weather control)

SHKABARA, Ye.A., kand. tekhnuk; ZAVILYANSKIY, I.Ya., kand. med. nauk; RAVIKOVICH, S.D., kand. fiz.-mat.nauk; RASIN, S.D., doktor med. nauk, otv.red.; TUBOLEVA, M.V., red.; MATVIICHUK, A.A., tekhn.red.

[Cybernetics and the brain] Kibernetika i mozg. Kiev, 1961. 52 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Uktainskoi SSR. Ser.6, no.23) (MIRA 15:1)
(Cybernetics)

AKOPOV, Ruben Yakovlevich, kand.ekonom.nauk; TUBOL'TSEV, M., red.; SHLYK, M., tekhn.red.

[Circulation of goods in the period of the building of communism] Tovarnoe obrashchenie v period kommunisticheskogo stroitel'stva. Moskva, Mosk. rabochii, 1963. 43 p. (MIRA 16:6)

(RUSSIA--Commerce)

KIYEVSKIY, Vladimir Grigor'yevich; TUBOL'TSEV, M., red.; YAKOVLEVA, Ye., tekhn. red.

[Ways of lowering costs in construction] Puti snizheniia sebestoimosti v stroitel'stve. Moskva, Moskovskiy rabochii, 1963. 46 p. (MIRA 16:6)
(Construction industry--Costs)

KUDRYAVTSEV, Edgar Aleksandrovich; TUBOL'TSEV, M., red.; KRECHETOV,A., tekhn. red.

[Main roads of technical progress in construction] Osnovnye puti tekhnicheskogo progressa v stroitel'stve. Moskva, Mosk. rabochii, 1963. 78 p. (MIRA 16:12)
(Construction industry--Technological innovations)

KOROSTELEV, Vladimir Aleksandrovich; TUBOL'TSEV, M., red.; YAKOVLEVA, Ye., tekhn. red.

[What type of economy increases the profit of an enterprise] Kakaia ekonomiia uvelichivaet pribyl' predpriiatiia. Moskva, Mosk. rabochii, 1963. 55 p. (MIRA 16:10)
(Profit) (Industrial management)

BONDARENKO, Yevgeniy Nikolayevich; TUBOL'TSEV, M.N., red.; MEDVEDEVA, R.A., tekhn.red.

[The club contributes to collective-farm production] Klub-kolkhoznomu proizvodstvu. Moskva, Izd-vo "Sovetskaia Rossiia." (Bibliotechka sel'skogo klubnogo rabotnika, no.5) No.1. [Promoting the initiative of leaders in the agriculture of Serpukhov District, Moscow Province] O propagande initsiativy peredovikov sel'skogo khoziaistva Serpukhovskogo raiona Moskovskoi oblasti. 1961. 23 p. (MIRA 14:5)

(Serpukhov District--Agriculture)

TUBOL'TSEV, M.N., red.; YELAGIN, A., tekhn.red.

[For high standards in agriculture] Za kul'turu zemledeliia. Moskva, Izd-vo "Sovetskaia Rossiia," 1961. 78 p. (MIRA 14:5)

(Agriculture)

YAKOVLEV, Aleksandr Aleksandrovich; TUBOL'TSEV, M.N., red.; GLUBOKOVA, N.A., tekhn.red.

[Photography club at a rural community center] Fotokruzhok v sel'skom klube. Moskva, Izd-vo "Sovetskaia Rossiia," 1960. 47 p. (Bibliotechka sel'skogo klubnogo rabotnika, no.7). (MIRA 13:10)

(Photography--Societies, etc.)

REMIZOV, Konstantin Sergeyevich, kand. ekon. nauk; TUBOL'TSEV, M., red.; SHLYK, M., tekhn. red.

[Procedure for establishing work norms]Poriadok normirovaniia truda. Moskva, Mosk. rabochii, 1962. 46 p. (MIRA 16:1)
(Production standards)

SHEREMET, Anatoliy Danilovich; RYZHENKOV, Konstantin Ivanovich; TYBOL'TSEV, M., red.; SHLYK, M., tekhn. red.

[How to analyse the work of your enterprise] Kak analizirovat' rabotu svoego predpriiatiia. Moskva, Mosk. rabochii, 1962. 58 p. (MIRA 16:8)

(Industrial management)

SHEINA, Klavdiya Petrovna; YAKOVLEV, Mitrofan Fedorovich; TUBOL'TSEV, M., red.; POK[illegible]LEBKINA, M., tekhn. red.

[Taking care of the most important] V zabote o glavnom. Moskva, Mosk. rabochii, 1963. 109 p. (MIRA 16:9)
(Moscow Province--Efficiency, Industrial)

VASIL'YEV, Vladimir Grigor'yevich; TUBOL'TSEV, M., red.; POKHLEBKINA, M., tekhn. red.

[Incentive awards for conscientious work] Pooshchrenie za dobrosovestnyi trud. Moskva, Mosk. rabochii, 1962. 57 p. (MIRA 16:1)

(Incentives in industry)

TUBOL'TSEV, M.N., red.; YELAGIN, A.S., tekhn. red.

[With the participation of the community] Na obshchestvennykh nachalakh. Moskva, Izd-vo "Sovetskaia Rossiia," 1962. 52 p. (MIRA 15:4)
(Community centers) (Community life)

ACC NR: AT7002123 (A) SOURCE CODE: UR/0000/66/000/000/0454/0461

AUTHORS: Borisenko, S. G.; Komskiy, Ye. I.; Tubol'tsev, V. M.

ORG: none

TITLE: Investigation of stresses in ore blocks during exploitation of ore deposits

SOURCE: Vsesoyuznaya konferentsiya po polyarizatsionno-opticheskomu metodu issledovaniya napryazheniy. 5th, Leningrad, 1964. Polyarizatsionno-opticheskiy metod issledovaniya napryazheniya (Polarizing-optical method of investigating stresses); trudy konferentsii. Leningrad, Izd-vo Leningr. univ., 1966, 454-461

TOPIC TAGS: stress analysis, mining engineering

ABSTRACT: Investigations on the stresses in blocks of ore during room and pillar operations in ore deposits have been made at the Laboratory of Photoelasticity at the Dnepropetrovsk Mining Institute (Laboritoriya fotouprugosti, Dnepropetrovsk gornogo instituta). The purpose of the studies is to establish methods of computing strength of these blocks by stress analysis. Two- and three-dimensional models were prepared of plastine or "epoxymal." The first were 220 x 130 mm, the second 100 x 100 x 100 mm. Isochromatic curves in the material were observed and used to plot the stress distribution. From two-dimensional studies it was found that high normal stresses ($\sigma_x$) occur in the floor and roof of a room at low values of lateral thrust

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ACC NR: AT7002123

(0—0.4). The stresses decline with increase in lateral thrust. Normal stress ($\sigma_y$) and maximal tangential stress in the walls of a room reach their maximum at a lateral thrust of 0—0.2. With increase in lateral thrust, the maximal values are found at one-quarter the roof span from the wall. With low lateral thrust, a broad zone of low normal stress ($\sigma_y$) and tangential stress occurs in the roof and the floor of a room. With increase in interval between levels, tangential stresses increase in the roof rocks but change little in the wall rocks. In rooms three times longer than wide (or more), the stress state in the rocks bordering the room appears similar in three-dimensional models to that in two-dimensional models, but the actual stress values may differ by 15—20%. Orig. art. has: 6 figures and 4 formulas. (W.A. 101)

SUB CODE: 20, 08/ SUBM DATE: 14Jun66/ ORIG REF: 012

Card 2/2

BORISENKO, S.G., prof., doktor t[illegible]n.nauk; SHOSHURIN, S.I., kand.tekhn.nauk; TUBOL'TSEV, V.M., inzh.; PLAKSA, N.P., inzh.

Investigating the uncontrolled ore caving process at the Nikitovka strip mine. Gor.zhur. no.10:22-27 O '64. (MIRA 18:1)

TUBOLY, P.
TUBOLY, P. - Faipar - Vol. 5, no. 5, May 1955.

Remarks on the article "Education of Industrial Apprentices and Replacement of Skilled Workers." p. 139.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

TUBOLY, P.

"Debate on Theoretical and Practical Problems of the Control of Quality in the Furniture Industry", P. 151, (FAIPAR, Vol. 4, No. 5, May 1954, Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

L 30746-66 T JK

ACC NR: AP6020274 SOURCE CODE: HU/0028/65/012/003/0233/0240

AUTHOR: Tuboly, Sandor (Budapest)

ORG: State Institute of Animal Hygiene/directed by T. Kadar/, Budapest (Orszagos Allategeszsegugyi Intezet)

TITLE: Studies on the antigenic structure of mycobacteria. I. Comparison of the antigenic structure of pathogenic and saprophytic mycobacteria

SOURCE: Academia scientiarum hungaricae. Acta microbiologica, v. 12, no. 3, 1965, 233-240

TOPIC TAGS: antigen, bacteriology, experiment animal, man, tuberculosis, electrophoresis, serum, pathogenesis, bacteria

ABSTRACT: The antigenic structure of 1 human, 4 bovine and 4 avian types of Mycobacterium tuberculosis as well as 2 M. paratuberculosis, 1 M. phlei, 1 M. smegmatis and 1 M. minetti strains has been examined. Immune sera were prepared in rabbits with ultrasonically disintegrated bacteria emulsified in Freund's adjuvant. The number of antigenic components, their electrophoretic mobility and the occurrence of components in other types of species were determined by Ouchterlony's as well as Graber and Williams' methods. In M. tuberculosis, 10 antigen components were distinguished in the human type, 8-10 in the bovine type and 8-9 in the avian type. The yield from saprophytic mycobacteria was 4-6 components. It was indicated by comparative examinations using human and avian M. tuberculosis immune sera that at least one common antigen was shared by all mycobacteria examined. Specific factors were also detected for each species. The pathogenic strains contained a common component which was absent from saprophytic mycobacteria. Orig. art. has: 10 figures and 2 tables. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: 24Apr65 / ORIG REF: 008 / OTH REF: 015

Card 1/1 FV

HUNGARY

NYIREDY, Istvan, Dr, HEJJ, Laszlo, Dr, TUBOLY, Sandor, Dr; National Animal Health Institute (director: KADAR, Tibor, Dr, cand. of vet. sci.), Department of Hygiene (head: NYIREDY, Istvan, Dr, doctor of vet. sci.) and Department of Cattle Tuberculosis-Prevention and Antigen Production (head: HEJJ, Laszlo, Dr) (Orszagos Allategeszsegugyi Intezet, Higieniai Osztaly, es Szarvasmarha-gumokor-Mentesitesi es Antigentermelo Osztaly).

"The Role of Saprophytic Mycobacteria in Inducing Tuberculin Sensitivity in Cattle."

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 10, Oct 66, pages 433-439.

Abstract: [Authors' English summary modified] Groups of 5 calves, 3-6 months old, were subjected to oral infection in 7 instances with M. phlei, M. smegmatis, M. butyricum and M. pellegrino and 42 calves with M. minetti. Three calves were infected twice, s.c. with M. fortuitum and two calves with M. minetti. Animals infected with the first 4 strains did not react to skin tests with tuberculin of different origin. Skin tests were carried out three times on the 42 calves infected with M. minetti with the following results: 66.6% of them reacted to homologous tuberculin, 19% to the mammalian and 12% to the avian one; 4.8% reacted to all three simultaneously, 2.4% to the avian and minetti tuberculin and 4.8% to the avian one. All 3 animals infected with M. fortuitum reacted to the avian and one of them also to the mammalian tuberculin. Of the 2 animals infected s.c. with M. minetti, one reacted to the avian and the other to the mammalian tuberculin alone. Results of intradermal injection

HUNGARY

TUBOLY, Sandor, Dr., of the National Institute for Animal Hygiene (Orszagos Allategeszsegugyi Intezet)(Director: KADAR, Tibor, Dr., Candidate of Veterinary Sciences)[location not given].

"Investigations on the Antigen Structure of Mycobacteria. Part 3: Comparison of the Immunoglobulins Forming To Combat Mycobacteria"

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 6, Jun 1966, pp 256-258.

Abstract: The purpose of the studies reported was to identify the immunoglobulins present in the serum of guinea pigs infected with various types of Mycobacteria, and to separate the bovinus and gallinaceus types of Mycobacterium tuberculosis. The sera were electrophoresied in an agar medium and then subjected to the action of homologous antigen and antiglobulin. Typical precipitation lines were obtained. Approximately ten antigen fractions could be distinguished in pathogenic Mycobacterium types. The precipitation reaction of the two types of Mycobacterium tuberculosis had different precipitation patterns in the sera; this difference permitted separation and identification. 12 references, including 3 Hungarian, 3 German, and 6 Western.

1/1

TURVAL, V. K., Engineer, VOYEVODSKAYA, Ye. N., Engineer,

"Hydrodynamics Characteristics of Four-Blade Screw Propellers in Kort Nozzles."

Papers Presented at the Tenth Scientific-Technical Conference on Ship Theory (Sudostroyeniye, No 4, 1960)

IDLIN, Mikhail Markovich; SAFONOV, Nikolay Danilovich; BOSTORIN, V.I., dotsent, inzh., retsenzent; SLOMYANSKIY, G.A., dotsent, kand. tekhn.nauk, red.; TUBYANSKAYA, F.G., izd.red.; PUKHLIKOVA, N.A., tekhn.red.

[Fundamentals of the assembly, adjustment and inspection of aeronautical gyroscopic instruments] Osnovy sborki, regulirovki i kontrolia aviatsionnykh elektrogiroskopicheskikh priborov. Pod red. G.A.Slomianskogo. Moskva, Gos.nauchno-tekhn.izd-vo Oborongiz, 1960. 354 p. (MIRA 14:1)
(Aeronautical instruments)

KOBZOVA, R.I.; LEVKINA, N.K.; KUDRYAVTSEV, A.S.; SAVICH, I.A.; CHARINA, Ye.M.; TUBYANSKAYA, G.S.

Effect of certain complex compounds on the resistance of polydimethyl siloxanes to thermal oxidation. Plast. massy. no.9:35-37 '65. (MIRA 18:9)

L 13200-66 EWT(m)/EWP(j)/T IJ/RM

ACC NR: AP6003434 (A) SOURCE CODE: UR/0065/66/000/001/0052/0054

AUTHOR: Kobzova, R. I.; Tubyanskaya, G. S.; Oparina, Ye. M.; Levkina, N. K. (6)

ORG: VNII NP 55 B

TITLE: Stabilization of polyethylsiloxane fluids by additives

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 1, 1966, 52-54

TOPIC TAGS: silicone lubricant, thermal ~~oxidative~~ stability, antioxidant additive

ABSTRACT: The effectiveness of antioxidant additives such as phenyl-1-naphthylamine, Ionol, or dilauryl selenide as oxidation inhibitors for the polyethylsiloxane fluid, lubricant 6 (TUYeU-118-55), has been studied for the purpose of prolonging service life and increasing service temperature of the lubricant. The criterion of thermal-oxidative stability of lubricant specimens with or without additives was gelation time at 200 and 250C. The best results were attained with dilauryl selenide; at 250C addition of 5% of this compound increases the thermal stability of the lubricant by a factor of 25. The effectiveness of the additives tested improves with increasing concentration (5% max) and drops with increasing temperature. In other tests it was found that the same additives do not produce the same effect in individual silicone fluids. For example, oxidation inhibitors of PMS-100 polymethylsiloxane fluid such as cyclopentadiurylcarbonylmanganese, selenophene derivatives, or ferrocene

Card 1/2 UDC: 665.521.5:547'28

L 15200-66

ACC NR: AP6003434 O.

are ineffective in lubricant 6. Four-ball apparatus tests showed that additives which improve the thermal-oxidative stability of lubricant 6 under static conditions also improve its performance in friction units. Orig. art. has: 3 tables. [BO]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 007/ ATD PRESS: 4185

jw

Card 2/2

L 2271-66 EWT(m)/EPF(c)/EWP(j)/T RM/DJ
ACCESSION NR: AP5022227 UR/0191/65/000/009/0035/0037
678.84:678.048.9

AUTHOR: Kobzova, R. I.; Levkina, N. K.; Kudryavtsev, A. S.; Savich, I. A.; Oparina, Ye. M.; Tubyanskaya, G. S.

TITLE: Effect of some complex compounds on the stability of polydimethylsiloxanes to thermal oxidation

SOURCE: Plasticheskiye massy, no. 9, 1965, 35-37

TOPIC TAGS: polydimethylsiloxane, silicone lubricant, antioxidant additive, chelate compound, Schiff base

ABSTRACT: The effect of certain complex compounds of copper, cobalt, nickel, lead, and iron with various Schiff bases on the stability of liquid polydimethylsiloxane polymer PMS-100 to thermal oxidation was investigated. All the compounds studied increased the stability of polydimethylsiloxane, the most effective being N,N'-bis(2-hydroxy-1-naphthylidene)-1,2-diaminoethane, which increased the stability by a factor of 9. The effectiveness of the complex compounds depends to a considerable extent on the nature of the metal and choice of the addend. The effect of metal is displayed most clearly in the case of N-(2-hydroxybenzylidene)-2-aminophenol, which forms a very effective stabilising compound with

Card 1/2

L 2271-66
ACCESSION NR: AP5022227

copper only; the effect of the addend is most pronounced in the case of complexes containing nickel. It is concluded that the use of chelates as high-temperature antioxidants for silicone oils deserves further investigations. Orig. art. has: 2 tables.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00 SUB CODE: MT, OC

NO REF SOV: 004 OTHER: 001

Card 2/2

L 14572-66 EWT(m)/EWP(j)/T WW/JW/JWD/WE/RM

ACC NR: AP6004180 SOURCE CODE: UR/0076/66/040/001/0122/0124

AUTHOR: Shaulov, Yu. Kh.; Shmyreva, G. O.; Tubyanskaya, V. S. 65

ORG: none

TITLE: Heat of combustion of ammonium borane

SOURCE: Zhurnal fizicheskoy khimii, v. 40, no. 1, 1966, 122-124

TOPIC TAGS: boron compound, borane, ammonium borane, heat of combustion, heat of formation

ABSTRACT: Heat of combustion at constant volume ($\Delta U$) of ammonium borane $BH_3NH_3$ has been determined experimentally and its standard heat of formation $\Delta H_F^0$ has been calculated. The exact value of $\Delta H_F^0$ is necessary for solving problems connected with the synthesis of $BH_3NH_3$. $\Delta H_F^0$ was calculated from the equation: $\Delta H_F^0(BH_3NH_3(cr)) = \Delta H_F^0(H_3BO_3(cr)) + 1.5\ \Delta H_F^0(H_2O(liq)) - \Delta H_C^0(BH_3NH_3(cr))$, where $\Delta H_F^0(H_3BO_3(cr))$ and $\Delta H_F^0(H_2O(liq))$ are data from the literature, and $\Delta H_C^0(BH_3NH_3(cr))$ is the standard heat of combustion of $BH_3NH_3$, which was calculated from the experimental $\Delta U$. $\Delta U$ was determined calorimetrically by burning powdered $BH_3NH_3$ in oxygen under 30 atm at an initial temperature of 25 ±0.001C. Calorimetric procedure and analysis of combustion products

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L 14572-66

ACC NR: AP6004180

(boric acid and nitrogen) were described. Combustion of powdered $BH_3NH_3$ was 99.5—100% complete and dispersion of data was 0.2%. The average $\Delta H_C^0(BH_3NH_3(cr))$ was -322.4 ±0.7 kcal/mol and the calculated $\Delta H_F^0(BH_3NH_3(cr))$ was -42.54 ±1.4 kcal/mol. Orig. art. has: 1 table and 3 formulas. [JK]

SUB CODE: 07/ SUBM DATE: 26Sep64/ ORIG REF: 003/ OTH REF: 006/
ATD PRESS: 4190

Card 2/2

TUBYANSKIY, Lev Izrailevich; FRENKEL', Leonid Davydovich; STEPANOV, I.M., redaktor; ZABRODINA, A.A., tekhnicheskiy redaktor

[High-pressure steam turbines designed by the Leningrad Metalworks] Parovye turbiny vysokogo davleniia Leningradskogo Metallicheskogo zavoda; konstruktsiia i obsluzhivanie. Izd. 2-oe, ispr. i dop. Moskva, Gos. energ. izd-vo, 1956. 403 p. (MLRA 10:4)
(Leningrad--Steam turbines)

TUBYLEWICZ, Halina D.

Induced variability of W-V forms of Salmonella typhosa and their phage sensitivity. Med. dosw. mikrob. 8 no.1:23-28 1956.

1. Z Zakladu Mikrobiologii Lekarskiej A. M. w Warszawie.

(SALMONELLA TYPHOSA, immunology
induced variability of W-V forms S. typhosa & their phage sensitivity. (Pol))

(BACTERIOPHAGE,
of Salmonella typhosa, induced variability of W-V forms of S. typhosa & their phage sensitivity. (Pol))

TUBURSKAYA, N. A.; LYSENKO, A. Ya.; BOBKOVA, E. I.

"Search for Methods of Radical Chemical Prophylaxis and a Relapse-Free Cure for Tertiary Malaria with Short and Long Incubation Periods," Medits. Par. i Par. Bol., No. 1, pp 71-77, 1954.

Translation M-761, 31 Aug 55

S/661/61/000/006/041/081
D202/D302

AUTHORS: Oparina, Ye. M., Tubyanskaya, G. S. and Yermilov, A. S.

TITLE: Investigating thermal stability of polysiloxane fluids

SOURCE: Khimiya i prakticheskoye primeneniye kremneorganicheskikh soyedineniy; trudy konferentsii. no. 6: Doklady, diskussii, resheniye. II Vses. konfer. po khimii i prakt. prim. kremneorg. soyed., Len., 1958. Leningrad, Izd-vo AN SSSR, 1961, 181-184

TEXT: A discussion on a previous report (no. 2, p. 50, this publication) in which Ye. M. Oparina, A. K. Andrianov (Moscow), L. V. Gornets (Moscow), N. N. Sokolov (VEI, Moscow), I. F. Ponomarev, Politekhnichskiy institut, Novocherkassk (Novocherkassk Polytechnic Institute) and I. A. Zubkov (Moscow) took part. The author defended her opinion that irradiation with ultrasonics has in general a favorable effect on the thermal stability of liquid organosilicon polymers. The opponents concluded that present methods for determining the stability of polysiloxanes ought to be revised and more suitably adapted for definite purposes.

Card 1/1

KOROL'KOVA, Vera Ivanovna, kand. tekhn. nauk; KNYAZEVSKIY, B.A., kand. tekhn. nauk, dots., retsenzent; TUBYANSKAYA, F.G., red. izd-va; ORESHKINA, V.I., tekhn. red.

[Safety measures in using electrical equipment in industrial enterprises] Elektrobezopasnost' na promyshlennykh predpriiatiiakh. 4., dop. izd. Moskva, Oborongiz, 1962. 527 p. (MIRA 15:7)

(Electric engineering--Safety measures)

KOZLOV, V.V.; VOL'FSON, T.I.; KOZLOVA, N.A.; TUBYANSKAYA, G.S.

Naphthalene series. Part 25: Formation of sulfones by the action of chlorosulfonic acid on naphthalene. Zhur.ob.khim. 32 no.10:3440-3445 O '62. (MIRA 15:11)
(Sulfones) (Sulfonic acid) (Naphthalene)

ACCESSION NR: AP4009784 S/0065/64/000/001/0032/0038

AUTHOR: Oparina, Ye. M.; Tubyanskaya, G. S.; Kobzova, R. I.

TITLE: Polyorganosiloxanes--liquid base of high temperature greases.

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 1, 1964, 32-38

TOPIC TAGS: polyorganosiloxane, high temperature grease, polymethylsiloxane, polymethylphenylsiloxane, polyethylsiloxane, polymethylchlorophenylsiloxane, silicone, volatility, lubricity, viscosity temperature function, antiwear property, thermal oxidation stability

ABSTRACT: The physical-chemical properties of polyorganosiloxane liquids were evaluated to determine their suitability as liquid bases for high temperature greases. For operations up to 200C polymethylsiloxanes (PMS-20, PMS-50, PMS-100, PMS-400) are preferable than polyethylsiloxane with respect to physical-chemical, thermooxidative, stability and anti-wear properties, and preferable to polymethylphenylsiloxane with respect to viscosity-temperature and anti-

Card 1/2

ACCESSION NR: AP4009784

wear properties. For greases to be used above 200C, polymethylphenyl, and polymethylchlorophenylsiloxanes are recommended. The thermal stability of the polyorganosiloxanes improves with an increase in number of phenyl groups. Thus polymethylsiloxane starts to decompose at 250C, while polymethylphenylsiloxane FM-1322/300 with a low phenyl content is stable for 520 hours, and PFMS-4 with a high phenyl content, is stable for 2600 hours. Above 350C none of these siloxanes are sufficiently stable for thermal oxidation. The lubricity of polyorganosiloxanes, especially the abrasion stability, is not particularly satisfactory. In this respect polymethyl- and polymethyl chlorophenyl siloxanes are better than polymethylphenylsiloxane. However none of these should be used under high speed or high load operations. "Determination of lubricity was conducted by V. A. Listov and co-workers."Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 10Feb64 ENCL: 00

SUB CODE: FP NR REF SOV: 004 OTHER: 010

Card 2/2

L 20613-66 EWT(m)/T DJ

ACC NR: AP6010830 (A) SOURCE CODE: UR/0065/66/000/004/0047/0048

AUTHOR: Kobzova, R. I.; Tubyanskaya, G. S.; Oparina, Ye. M.; Zaytsev, V. A.; Yegorova, A. A.

52
B

ORG: VNIINP

TITLE: TsTM: "a new effective stabilizer" for silicone lubricants "

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 4, 1966, 47-48

TOPIC TAGS: lubricant, lubricant additive, silicone lubricant, antioxidant additive

ABSTRACT: A study has been made of the antioxidant effectiveness of cyclopentadienyltricarbonylmanganese (designated TsTM in the source) in silicone lubricants. TsTM was found to surpass existing silicone antioxidants in stabilizing effectiveness and solubility. It is noted that prolonged service of silicone lubricants at 150—200C and above is normally rendered impossible by oxidation and polymerization and that existing antioxidant additives are insufficiently effective. The silicone lubricant used in this study was PMS-100 "polydimethylsiloxane fluid (MRTU-6 No. YeU-230-61 specifications)." The criterion of antioxidation effectiveness was the gelation time at 250—350C. TsTM was found to be a highly effective stabilizer of the PMS-100 fluid. At 250C the curve TsTM concentration versus effectiveness went through a maximum at 0.5%; at this maximum the gelation time was increased by a factor of 250. The optimum TsTM concentration was dependent on temperature. TsTM

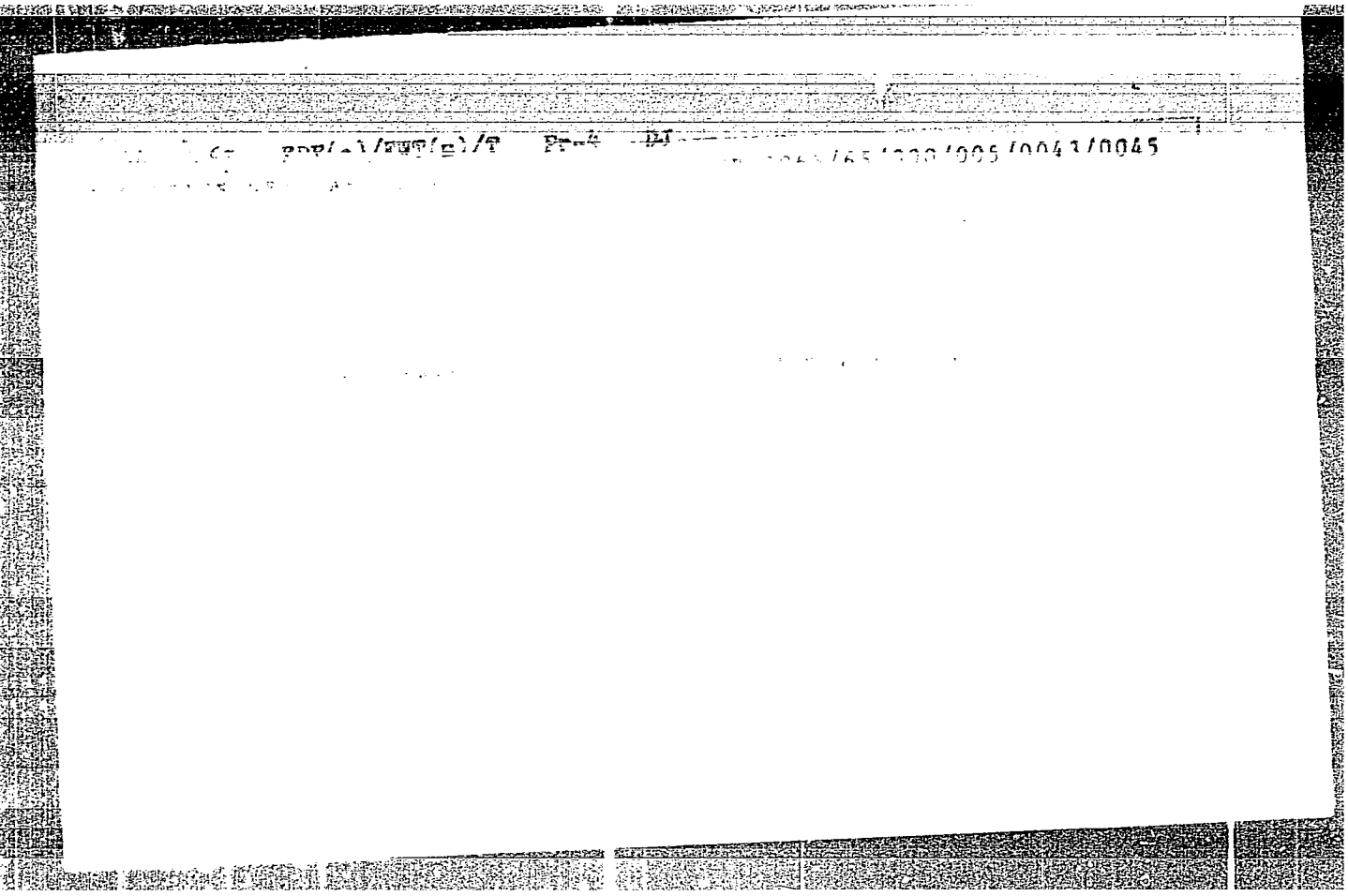
Card 1/2 UDC: 665.521.5:547'28

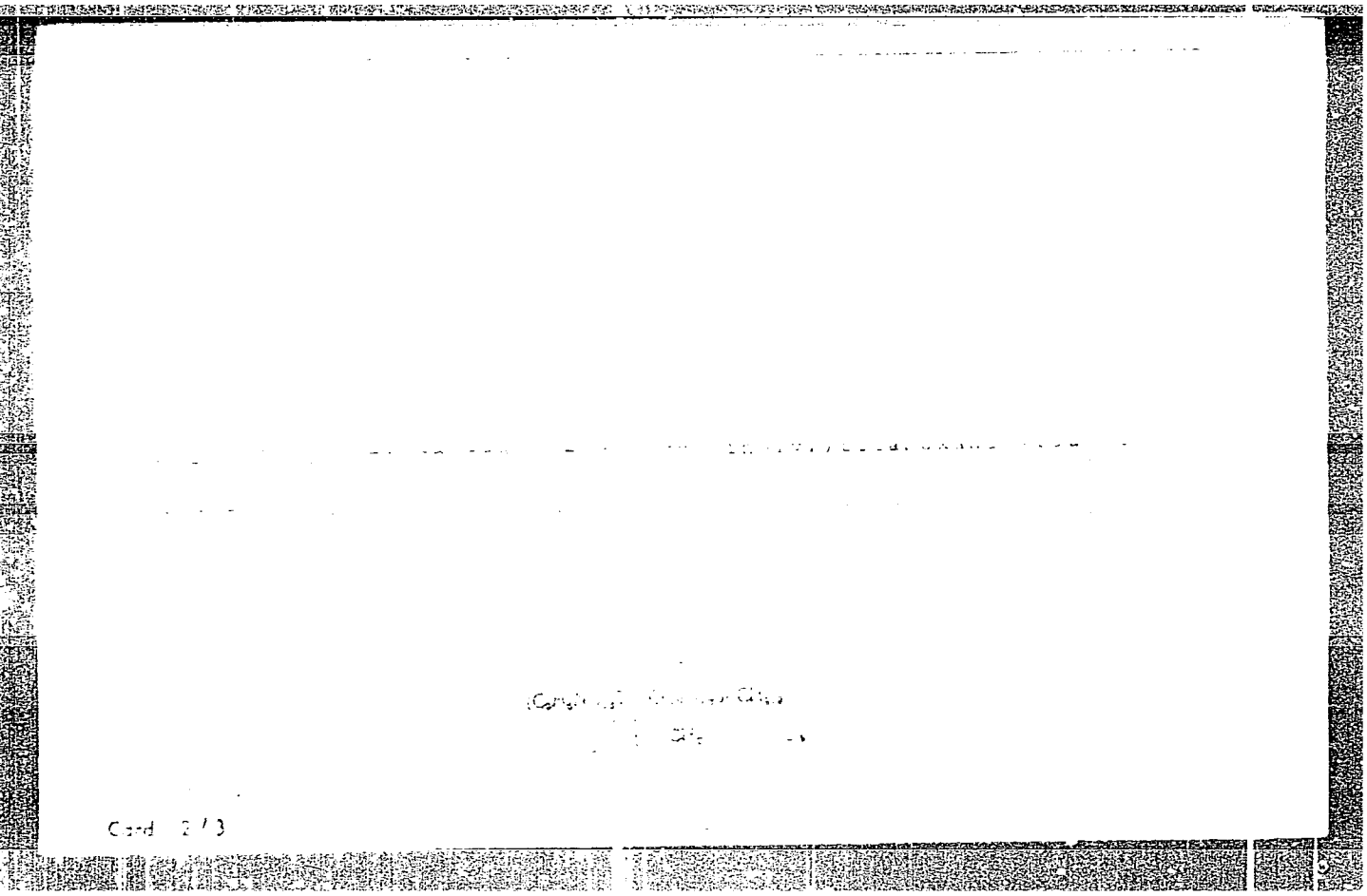
L 20613-66
ACC NR: AP6010830

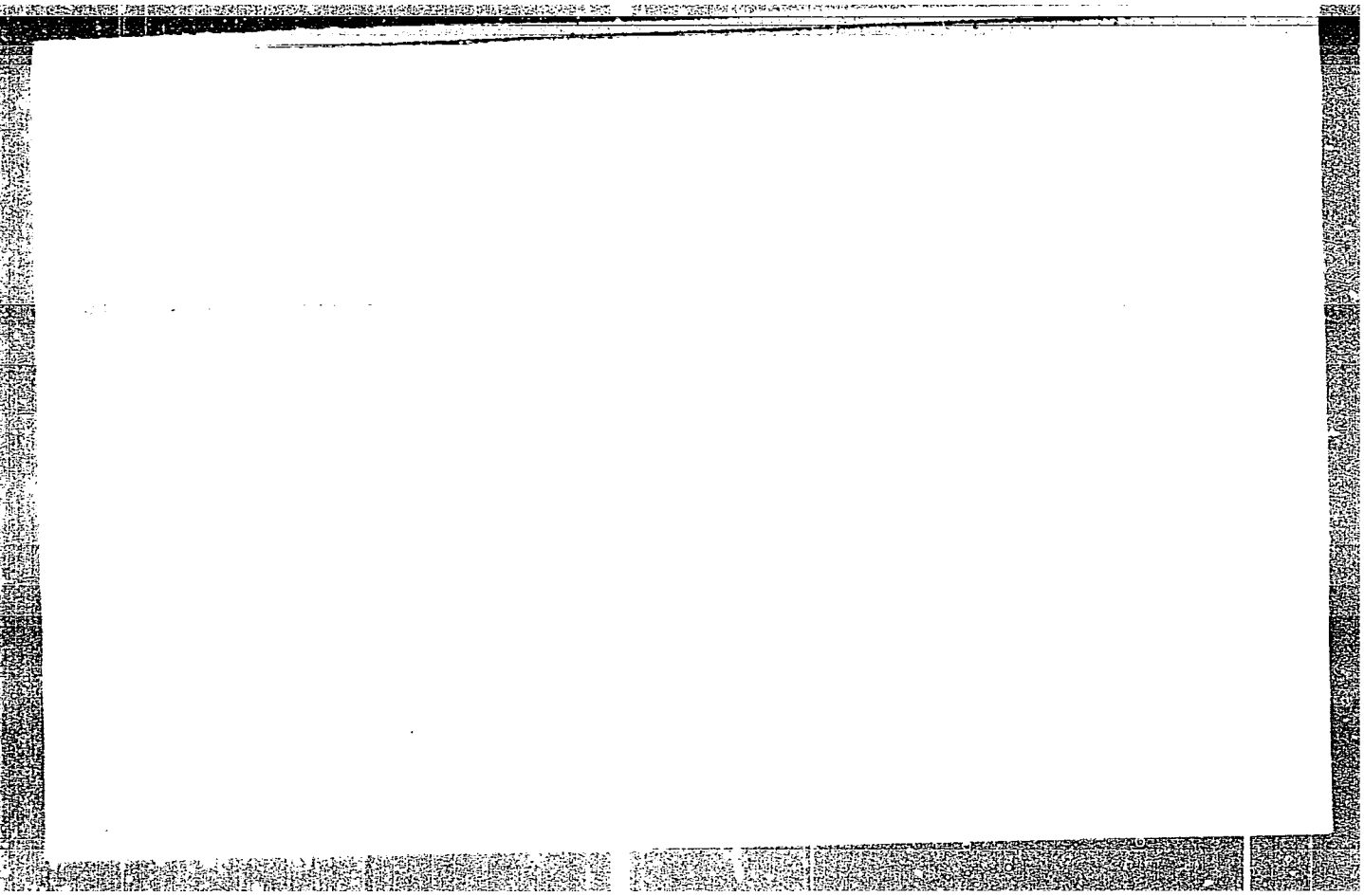
was highly soluble (up to 2% at minus 60C) in the PMS-100 fluid—an important advantage. A disadvantage was the unstability of TsTM solutions in PMS-100 on storage in the light; however, in the dark the solutions remained stable and effective for 1 year. Orig. art. has: 1 figure and 1 table. [SM]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001/ ATD PRESS: 4224

Card 2/2 BK



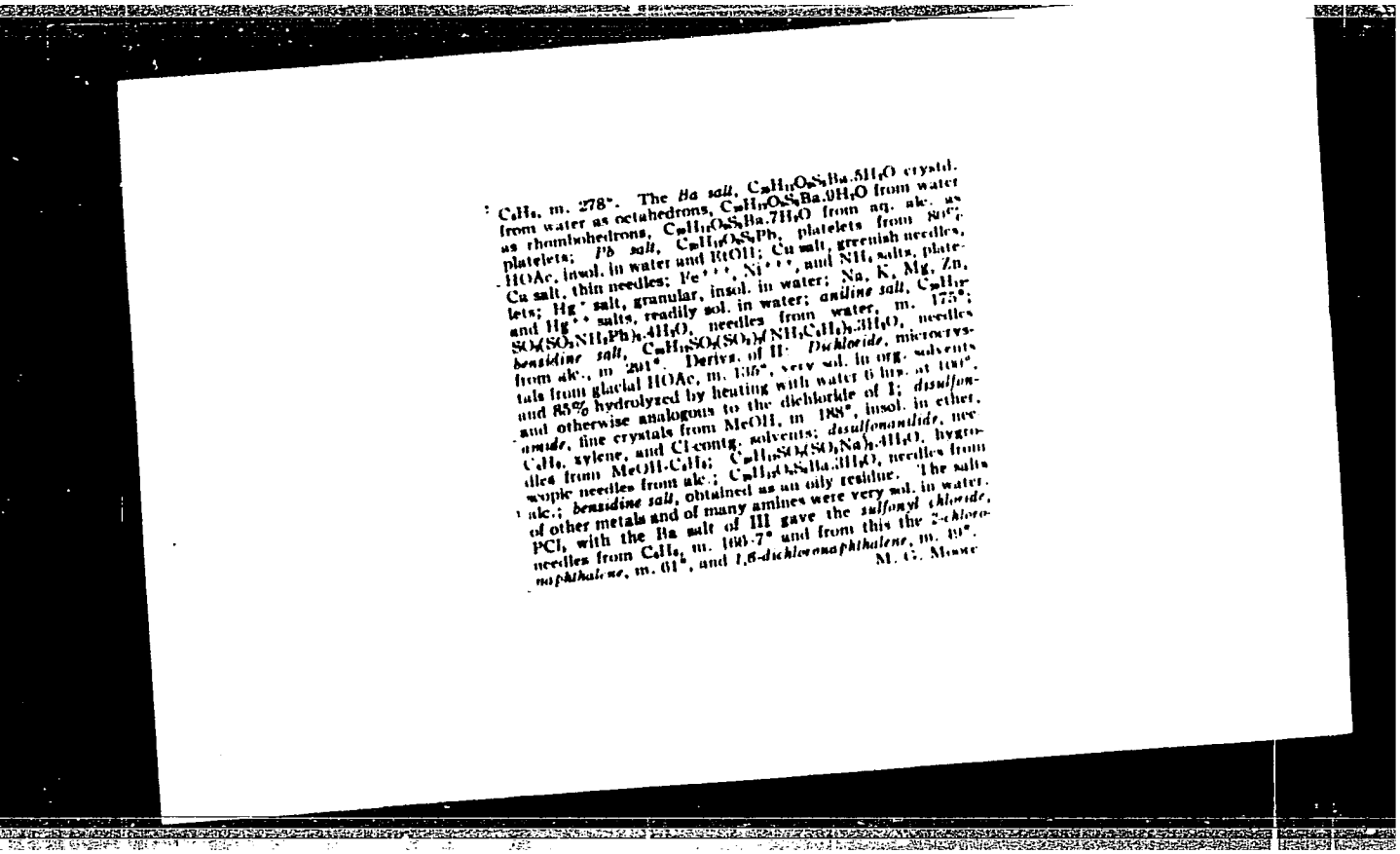




APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757330003-2"

TUBYANSKAYA, G. S.

**The sulfonation of 2,2'-dinaphthyl sulfone.** V. V. Kozlov and G. S. Tubyanskaya (Mendeleev Inst., Moscow). *Doklady Akad. Nauk S.S.S.R.* 58, 223-6 (1947); *Chem. Zentr.* 1948, II, 245-6. The products of the action of $H_2SO_4$ on $(2\text{-}C_{10}H_7)_2SO_2$ are extremely difficult to sulfonate under normal conditions. The acid must be concd. and used in large excess. The min. concn. required to produce slow sulfonation at 100° when used in an excess equal to 30 times the theoretical amt. was 87.5%. A like excess of 96% acid sulfonated the sulfone at 15-20° within an hour. A 30% excess of the monohydrate (calcd. on monosulfonation) did not produce sulfonation in 5 hrs. even at 105°. No better results were obtained by treating the sulfone in HOAc with 20-60% oleum 6 hrs. at 55°. The addn. of 10% $NaNO_3$ (calcd. on the sulfone) accelerated the reaction somewhat. Because of the equivalence of the 2 naphthalene nuclei, the formation of the monosulfonic acid in addn. to the disubstituted product is very slight. Reaction products reported are: (5,2-HO$_3$SC$_{10}$H$_6$)$_2$SO$_2$ (I); (7,2-HO$_3$SC$_{10}$H$_6$)$_2$SO$_2$ (II), and 2,5-(2-C$_{10}$H$_7$SO$_2$)C$_6$H$_3$SO$_3$H (III). Lower temps. favored the formation of I and III; at about 100° the formation of III was already slight, while at 105° the principal product was II. The di compds. were not brominated by bromide-bromate, while the mono compd. took up 2 Br atoms. All 3 sulfonic acids showed weak surface activity (emulsifying power). Alkali fusions of the disulfonic acids yielded di-HO derivs., which could be used as new *azo dye components*. Expt.: 3-6 g. $(2\text{-}C_{10}H_7)_2SO_2$, m. 174°, was heated with 30 times the theoretical amt. of concd. $H_2SO_4$, the product poured into 100-200 cc. water, filtered off, the unchanged sulfone washed out, the mother liquor and wash water neutralized with $BaCO_3$, and the filtrate from the ppt. concd. The Ba salt of III sepd. out first, then the Ba salt of I. The filtrate was evapd. to dryness and extd. with 85% alc. The residue was almost pure I; II was obtained from the alc. ext. Derivs. of I: the Ba salt with $H_2SO_4$ yielded free I, as a hygroscopic mass, m. 64°. The Ba salt with $PCl_5$ 3 hrs. at 100° yielded the dichloride, $C_{20}H_{12}O_4Cl_2S_3$, needles (from $CCl_4$, xylene, and HOAc), m. 222°, 80% hydrolyzed in 6 hrs. by heating with water at 100°, completely hydrolyzed by aq. HOAc and aq. alc., formed esters with anhyd. alks. *Disulfonamide*, platelets from $MeCO$-MeOH, m. 280°; *disulfonanilide*, platelets from $PhNH_2$



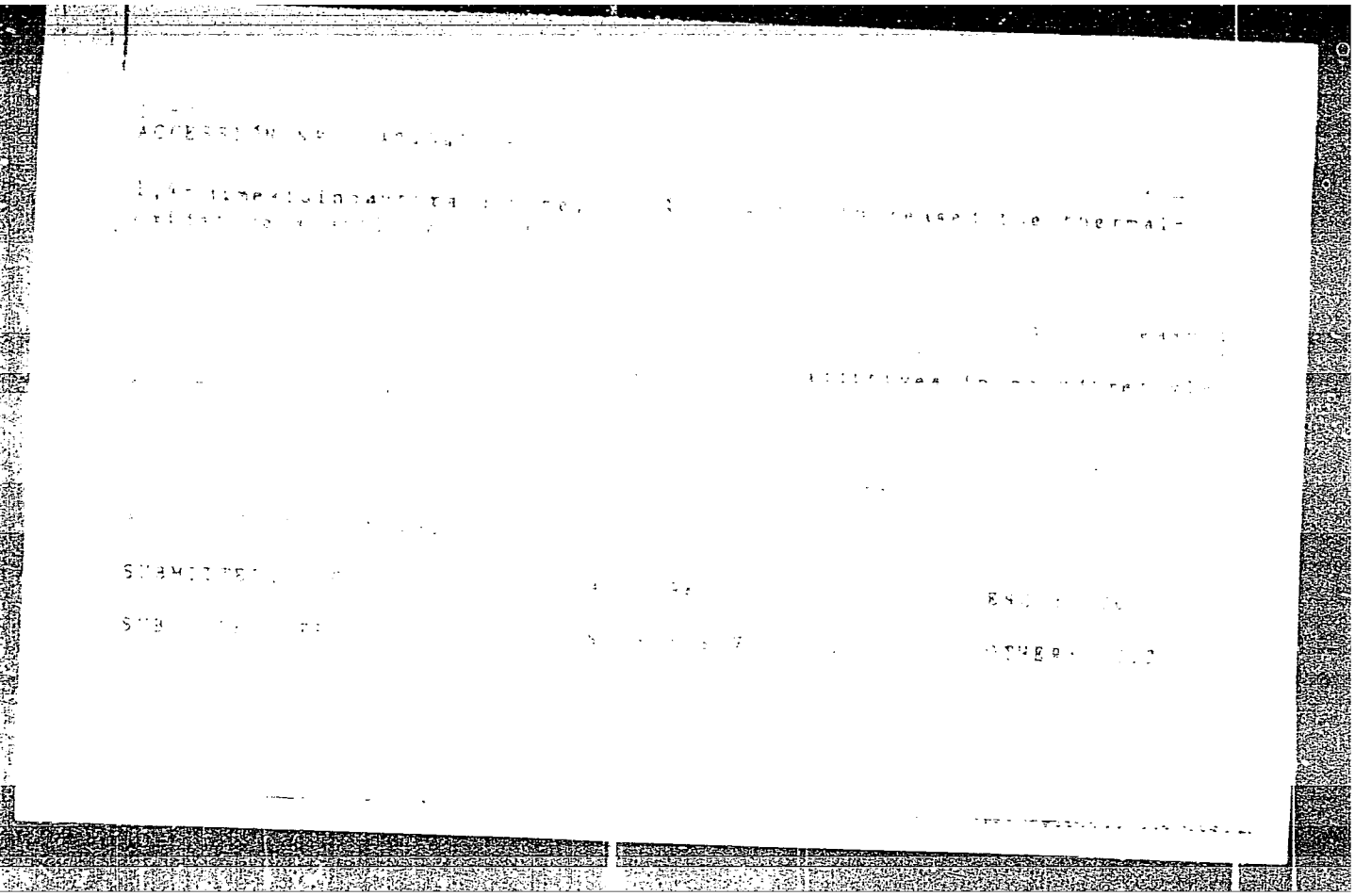
$C_6H_6$, m. 278°. The *Ba salt*, $C_6H_{11}O_6S_2Ba.5H_2O$ crystd. from water as octahedrons, $C_6H_{11}O_6S_2Ba.0H_2O$ from water as rhombohedrons, $C_6H_{11}O_6S_2Ba.7H_2O$ from aq. alc. as platelets; *Pb salt*, $C_6H_{11}O_6S_2Pb$, platelets from 80% HOAc, insol. in water and ROH; Cu salt, greenish needles, Cu salt, thin needles; $Fe^{+++}$, $Ni^{++}$, and $NH_4$ salts, plate-lets; $Hg^{+}$ salt, granular, insol. in water; Na, K, Mg, Zn, and $Hg^{++}$ salts, readily sol. in water; *aniline salt*, $C_6H_{11}O_6S_2(SO_3NH_3Ph)_2.4H_2O$, needles from water, m. 175°; *benzidine salt*, $C_6H_{11}SO_6(SO_3)_2(NH_3C_6H_4)_2.3H_2O$, microcrys-tals from alc., m. 201°. Derivs. of II: *Dichloride*, microcrys-tals from glacial HOAc, m. 136°, very sol. in org. solvents and 85% hydrolyzed by heating with water 6 hrs. at 100°, and otherwise analogous to the dichloride of I; *disulfon-amide*, fine crystals from MeOH, m. 188°, insol. in ether, $C_6H_6$, xylene, and Cl-contg. solvents; *disulfonanilide*, nee-dles from MeOH-$C_6H_6$; $C_6H_{11}SO_6(SO_3Na)_2.4H_2O$, hygro-scopic needles from alc.; $C_6H_{13}O_6SBa.3H_2O$, needles from alc.; *benzidine salt*, obtained as an oily residue. The salts of other metals and of many amines were very sol. in water. PCl, with the Ba salt of III gave the *sulfonyl chloride*, needles from $C_6H_6$, m. 160-7° and from this the *2-chloro-naphthalene*, m. 61°, and *1,6-dichloronaphthalene*, m. 89°.

M. G. Moore

L 8028-65 EWT(m)/EPF(c) EWP(j) Pc-4/Pr-4 ASD(p)-3/ASD(m)-3/AEM(t)

ACCESSION NR: AP4043056 S/0065/64/000/009/0053/0056

ABSTRACT: The possibility of prolonging the life and raising the lower temperature limit for the use of polydimethylsiloxane oils and [illegible] additives, has been [illegible] the relative [illegible] and evaporators, which consisted in [illegible] reduced



OPARINA, Ye.M.; TUBYANSKAYA, G.S.; KOBZOVA, R.I.

Polyorganosiloxanes as liquid base of high-temperature lubricating greases. Khim. i tekh. topl. i masel 9 no.1: 32-38 Ja '64. (MIRA 17:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

KOZLOV, V.V.; TUBYANSKAYA, G.S.

Naphthalene series. Part 28: Alakaline fusion of disulfonic acids of 2,2'-dinaphthyl sulfone (5,5'- and 7,7'-dihydroxy-2,2'-dinaphthyl sulfones; 5-hydroxy-5'-sulfonic acid and 7-hydroxy-7'-sulfonic acid of 2,2'-dinaphthyl sulfone). Zhur. ob.khim. 33 no.2:660-664 F '63. (MIRA 16:2)
(Naphthalenedisulfonic acid) (Sulfones)

KOZLOV, V. V.; VOL'FSON, T. I.; IODKO, M. O.; KOZLOVA, N. A.; TUBYANSKAYA, G. S.

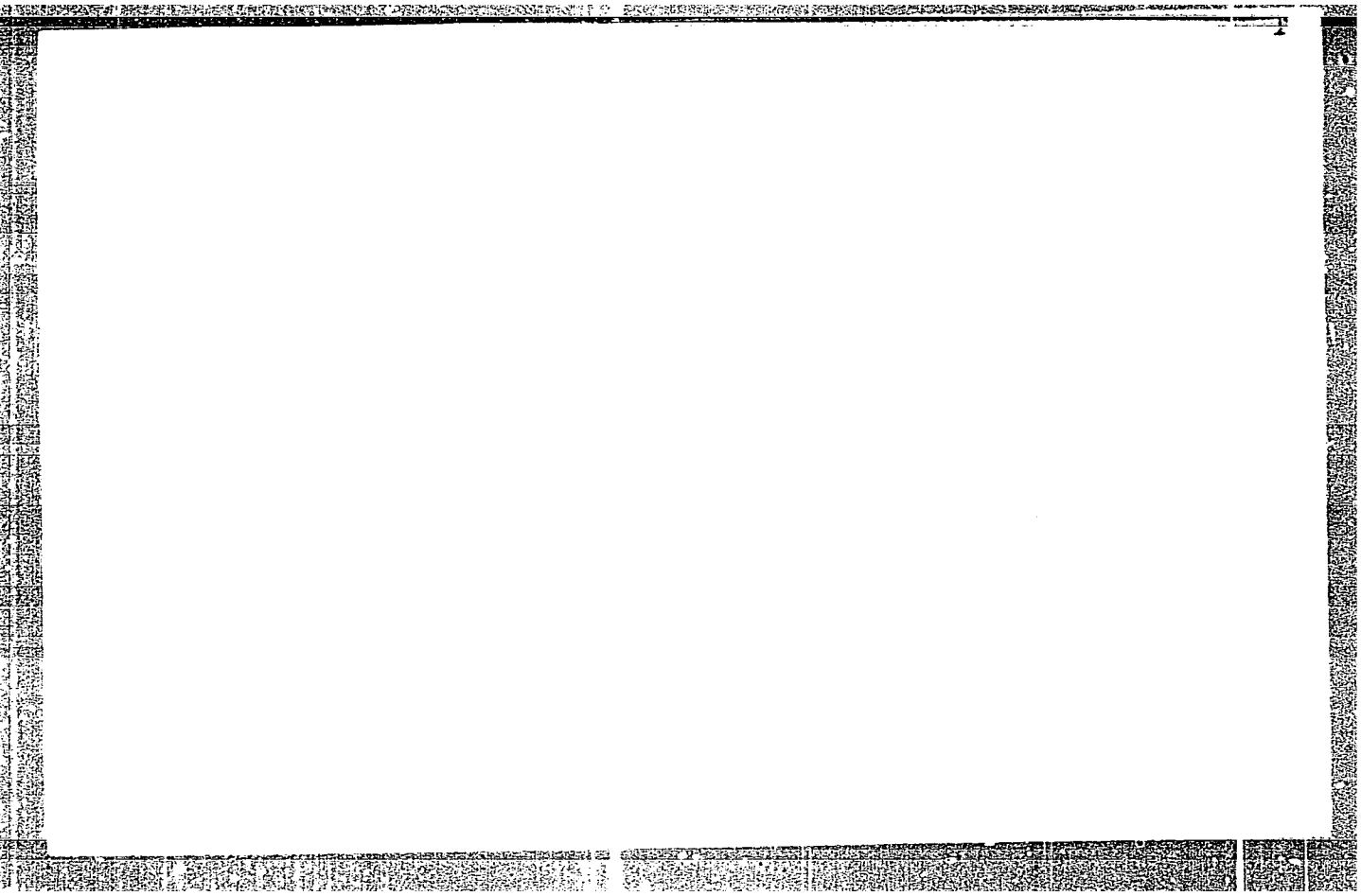
Naphthalene series. Part 27: Conversions of naphthalenesulfonyl chlorides to dinaphthyl sulfones. Zhur. ob. khim. 32 no.12:4077-4079 D '62. (MIRA 16:1)

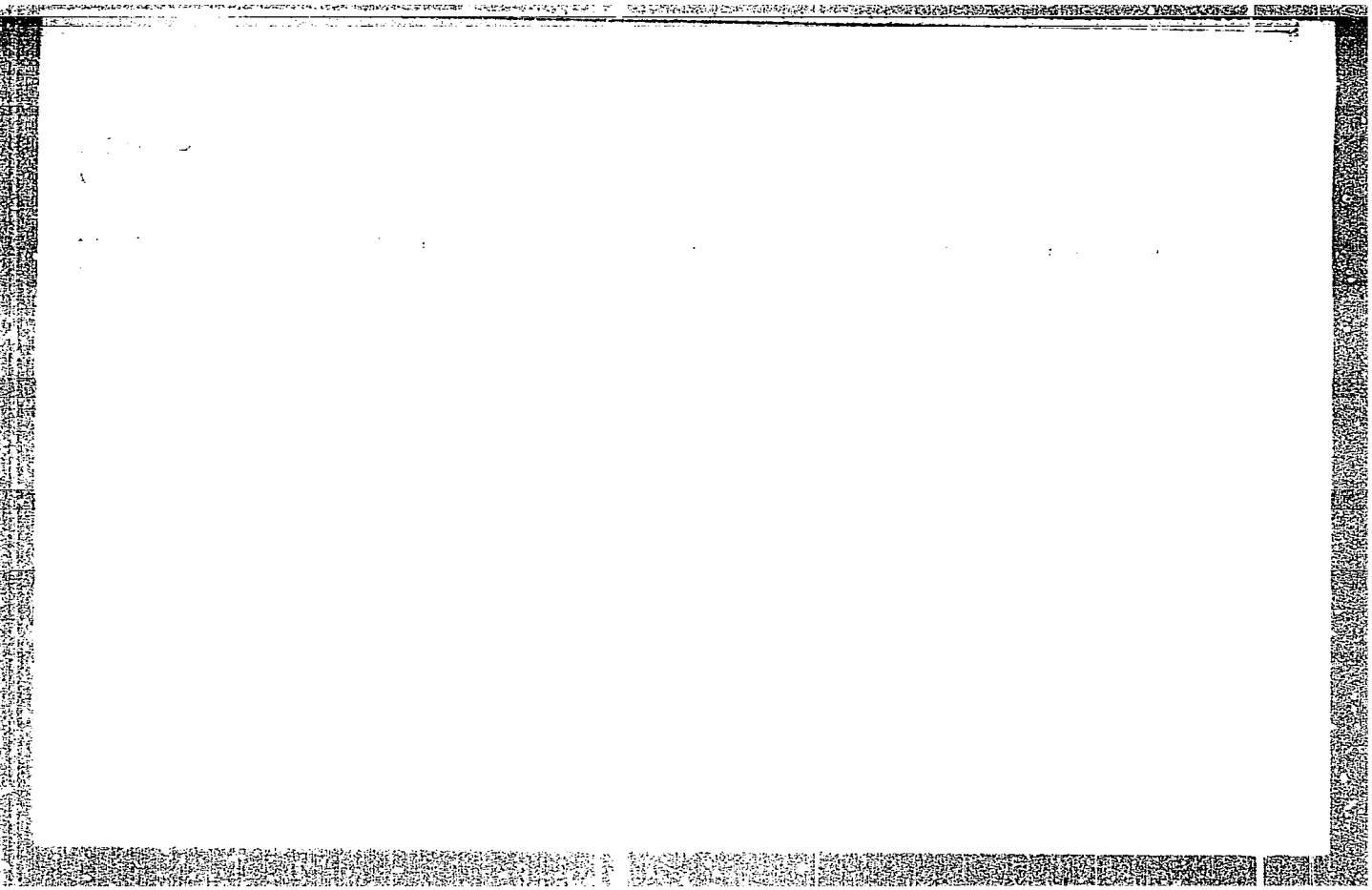
(Naphthalenesulfonyl chloride) (Sulfone)

KOZLOV, V. V.; VOL'FSON, T. I.; IODKO, M. O.; KOZLOVA, N. A.; TUBYANSKAYA, G. S.

Naphthalene series. Part 26: Conversions of monosulfonic acids of naphthalene to dinaphthyl sulfones. Zhur. ob. khim. 32 no.12:4074-4076 D '62. (MIRA 16:1)

(Naphthalenesulfonic acid) (Sulfone)





APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757330003-2"

NALZHAFOV, Yu.B.; LOSEV, V.B., SHAGLOV, Yu.Kh.; MOISEYEV, A.F.,
TUBYANSKAYA, V.S.

Heats of combustion of some nitrogen-containing organosilicon silanes.
Zhur. fiz. khim. 39 no.5:1220-1223 My '65. (MIRA 18:8)

SHAULOV, Yu.Kh.; TUBYANSKAYA, V.S.; YEVSTEGHEYEVA, Ye.V.; SHNYREVA, G.O.

Determination of the enthalpies of formation of organoaluminum compounds. Part 1. Zhur. fiz. khim. 38 no.7:1779-1783 Jl '64. (MIRA 18:3)

TUBYANSKAYA, V.S.; LEL'CHUK, S.L.

Thermal degradation of methyl- and phenylchlorosilanes. Plast. massy no.2:19-21 '63. (MIRA 16:2)

(Silane)

S/191/63/000/002/007/019
B101/B186

AUTHORS: Tubyanskaya, V. S., Lel'chuk, S. L.

TITLE: Thermal decomposition of methyl and phenyl chlorosilanes

PERIODICAL: Plasticheskiye massy, no. 2, 1963, 19-21

TEXT: The behavior of the vapor of methyl and phenyl chlorosilanes during their synthesis in a continuous apparatus was studied. Methyl trichlorosilane, dimethyl dichlorosilane, and trimethyl chlorosilane remained undecomposed after several hours heating at 360°C in the presence of copper powder. The composition of the liquid products was the same before and after the experiment, and no gaseous products were formed. Methyl dichlorosilane did not decompose in the presence of Cu-Si alloy (81.4% Si, 17.5% Cu) at 360°C; but with a Cu-Si alloy that had been used to synthesize methyl chlorosilanes, decomposition started at 360°C and increased with rising temperature. Gaseous products containing hydrogen were formed at a ratio of $(0.18-0.73)\cdot10^{-3}$ mmoles per mole of $CH_3SiHCl_2$. On copper powder, an intensive exothermic decomposition started at 360°C and reached 75%. The liquid products contained mainly $CH_3SiCl_3$ and some $SiCl_4$, the gaseous

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product consisted of $H_2$ and some HCl. Coke was deposited on the copper. Phenyl trichlorosilane did not decompose at 600°C, slightly at 650-700°C, and noticeably at 750°C (about 52%) on a Cu-Si alloy (27.0% Cu) which had been used to synthesize phenyl chlorosilanes; $SiCl_4$, $H_2$, small amounts of unsaturated hydrocarbons and of benzene were formed. On copper powder, decomposition started only at 750°C (47%). The liquid products contained $C_6H_5SiCl_3$ and $SiCl_4$, and coke was formed. There are 8 tables.

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LEL'CHUK, Semen L'vovich; TUHYANSKAYA, Vitaliya Semenovna; ZETKIN, V.I., red.; KOGAN, V.V., tekhn. red.

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(Silicon organic compounds)

TUBYANSKIY, G.M.; TUMANOV, I.M.; KOPP, L.M., redaktor; KRASIL'SHCHIK, S.I., redaktor; TOKER, A.M., tekhnicheskiy redaktor.

[Safety measures for metal construction assemblers] Pamiatka po tekhnike bezopasnosti dlia montazhnikov metallicheskikh konstruktsii. 2-e izd. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 42 p. (MLRA 7:12)

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(Building, Iron and steel--Safety measures)

RZHEZNIKOV, Yu.V., inzh.; TUBYANSKIY, L.I., inzh.; GENKIN, A.L., inzh.

Measurement of pulsations in pressure in steam turbine control valves. Teploenergetika 8 no.3:33-36 Mr '61. (MIRA 14:9)

1. Vsesoyuznyy teplotekhnicheskiy institut i Leningradskiy metallicheskiy zavod imeni Stalina.
(Steam turbines)

LEWICKI, Zdzislaw; TUBYLEWICZ, Halina

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1. Z Zakladu Anatomii Patologicznej AM w Warszawie; p.o. kierownika Zakladu: doc. dr med. R. Walentynowicz-Stanczyk i z Zakladu Mikrobiologii Lekarskiej AM w Warszawie; kierownik: prof. dr med. E.Mikulaszek.
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[Stalin LMZ high-pressure turbines; design and maintenance] Parovye turbiny vysokogo davleniia LMZ imeni Stalina; konstruktsiia i obsluzhivanie. Moskva-Leningrad, Gosenergoizdat, 1953. 326 p.(MLRA 7:11D)

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