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WAR PRODUCTION BOARD
OFFICE OF RUBBER DIRECTOR
WASHINGTON, D. C.

December 11, 1943

M E M O R A N D U M

TO: Rubber Manufacturers

FROM: H. E. Simmons
Office of Rubber Director

SUBJECT: Aromatic Petroleum Solvents

It is well known that the conventional aliphatic petroleum naphthas used in the manufacture of rubber cements and rubber articles do not have sufficient solvent power to be used satisfactorily for the same purpose with some synthetic rubbers such as Neoprene and Buna N. The greater solvent resistance of these two types of synthetic rubber demands the use of aromatic petroleum solvents and/or aromatic solvents. At the present time aromatic petroleum solvents are under allocation as described in Order M-150.

In order to familiarize the rubber manufacturer with the trade names and sources of some of the aromatic petroleum solvents, we are showing below a copy of a memorandum recently received from the Chemicals Division, War Production Board:

"In your recent memorandum, you request a list of the trade names of various aromatic petroleum solvents which may be satisfactory for the production of synthetic rubber (Neoprene) cements. Such a list is shown below. The codes under the columns marked "Availability" are:

GEOGRAPHICAL AVAILABILITY

ES - Eastern Seaboard
MW - Middle West
WC - West Coast

PRODUCT AVAILABILITY

1 - Only for certain war products.
2 - Only for war and essential civilian products.
3 - Not as critical as other products listed.

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NAME	DISTRIBUTOR	AVAILABILI Geographical Pr	
	Solvents containing some Benzol		
Apcosol #1	D. H. Litter - New York, N.Y.	ES	3
Aromatic #1	Wm. J. Hough Co. - Chicago, Ill.	MW	3
Arosol #10	American Oil Supply - Newark, N.J.	ES	3
Velsicol #1	Velsicol Corp. - Chicago, Ill.	MW	3
	Solvents in the Toluol Range		
Amsco A	American Mineral Spirits Co. - New York	ES-MW	1
Amsco C	Ohio Mineral Spirits Co. - Cleveland, Ohio	ES-MW	1
Enn Jay #1	Stanco Distributors, Inc.-New York, N.Y.	MW	1
	Wm. J. Hough Co. - Chicago, Illinois	MW	1
	Western Rosin & Turpentine Co. - Detroit	MW	1
	Wisconsin Mineral Spirits Co.-Milwaukee	MW	1
	Dill-Hough Co. - St. Louis, Mo.	MW	1
	Various Standard Oil Companies	ES-MW	1
Solvasol #73	Socony-Vacuum Oil Co.-New York, N.Y.	ES	1
Solvesso #1	Standard Oil Co. of N. J. - New York, N.Y.	ES-MW	1
Solvsol 19-27	Assoc. Tidewater Oil Co.-Los Angeles	WC	2
Solvsol 38-48	Assoc. Tidewater Oil Co.-Los Angeles	WC	2
TS-11	Shell Oil Co. - California	WC	2
Union Solvent #8	Union Oil Corp. - Richmond, California	WC	2
	Wm. S. Gray Co. - New York, N.Y.	ES	1
Alternate Solvents			
Amsco IX	American Mineral Spirits Co.- New York	ES-MW	2
Enn Jay IX	Wm. J. Hough Co.- Chicago, Illinois	MW	2
	Solvents in the Xylol Range		
Amsco B	American Mineral Spirits Co.-New York, N.Y.	ES	2
Amsco B	Ohio Mineral Spirits Co. - Cleveland Ohio	MW	2
Apcosol #3	D. H. Litter Co. - New York, N.Y.	ES	3
Arosol #11	American Oil Supply Co. - Newark, N.J.	ES	3
Enn Jay #2	SeeEnn Jay #1 above	MW	2
HN #2	" " " " "	MW	2
Hydro-Naphtha	Wm. S. Gray Co. - New York, N. Y.	ES	3
Solvasol #74	Socony-Vacuum Oil Co. - New York, N.Y.	ES	2
Solvesso #2	Std. Oil Co. of New Jersey - New York	ES	2
Solvsol 24-34	Assoc. Tidewater Oil Co. - Los Angeles	WC	2
Solvsol 27-37	(50 %) Assoc. Tidewater Oil Co.-Los Angeles	WC	2
TS #16	Shell Oil Co. - California	WC	2
Union Solvent #39	Union Oil Corp.-Richmond, California	WC	3
Union Solvent #30	Wm. S. Gray Co. - New York, N.Y.	ES	2
Velsicol #2	Velsicol Corp.-Chicago, Ill.	MW	3
Velsicol #3	" " " "	MW	3
Alternate Solvent			
Solvesso Xylol (War Grade)	Standard Oil Co. - New York	ES	2
	Other Standard Oil Companies	MW	2
	Stanco Distributors, Inc.	MW	2

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Most the products listed above are under allocation according to Order M-150. The indication of product availability will change from time to time.

It is suggested that rubber manufacturers be prepared to change from one solvent (or blend) to another in order to accomodate themselves to the changing availability of any given solvent. In this connection, it is pointed out that the direct replacement of one solvent for another in the same group may change the properties of the synthetic rubber cement. In view of conservation, it is urged that, if possible, rubber manufacturers use blends of aromatic petroleum solvents with less critical non-aromatic (aliphatic) petroleum solvents, or replace the aromatic petroleum solvent of the blend with an "alternate" solvent."

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