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U. S. DEPARTMENT OF COMMERCE

NATIONAL BUREAU OF STANDARDS

WASHINGTON

(May 20, 1946)

Letter Circular LC825

(Superseding LC608)

DETERGENTS AND RELATED SUBJECTS

List of National Bureau of Standards Publications and Federal Specifications

General Information

This letter circular lists papers on detergents and related subjects published by the National Bureau of Standards. It contains also a list of letter circulars and of publications in outside journals reporting work on these subjects by members of the Bureau staff. There is included also a list of Federal specifications covering these materials.

Unless specifically stated, the papers herein listed are not obtainable from the National Bureau of Standards. Those marked "OP" are out of print, but, in general, may be consulted at the libraries in large cities.

Where the price of a publication is given, it can be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. The prices quoted are for delivery to addresses in the United States and its territories and possessions and in certain foreign countries that extend the franking privilege. When remitting for delivery to other countries, one-third of the total cost of publications should be added to cover postage.

Remittances should be made either by coupons (obtainable from the Superintendent of Documents in sets of 20 for $1.00 and good until used), or by check or money order payable to the "Superintendent of Documents, Government Printing Office" and sent to him with order. (Please do not send stamps.)

Engineering Societies, 29 W. 39th Street, New York City, maintain a duplicating service and are prepared to supply photostated copies of technical articles that are available in any of the large libraries in New York City.

The publications of the National Bureau of Standards and the Federal Specifications are designated by series letters followed by numbers. The explanation for these letters is as follows:

RP = "Research Paper". These are reprints of articles appearing in the "Bureau of Standards Journal of Research" (BS J. Research) and the "Journal of Research of the National Bureau of Standards" (J. Research NBS), the latter being the title of this periodical since July 1934 (volume 13, number 1).

T = "Technologic Paper" of the National Bureau of Standards. T1 to T202 were issued each independent of the other with individual pagination. Later they were assembled to make the first 15 volumes of this series, and subsequent separates were given volume pagination (Tech. Papers BS). This series has been superseded by the Journal of Research.

C = "Circular" of the National Bureau of Standards.

LC = "Letter Circular". These are mimeographed circulars issued without charge by the National Bureau of Standards and are designed to answer many requests for information.

M = "Miscellaneous Publication" of the National Bureau of Standards.

R = "Simplified Practice Recommendations" of the National Bureau of Standards.

CS = "Commercial Standards" of the National Bureau of Standards.

P-P-, P-S-, etc. = Federal specifications. These specifications are promulgated by the Director of Procurement, Treasury Department. "Federal Standard Stock Catalog, Section IV, Part I, Federal Specifications, Index", which lists all Federal specifications with prices, can be purchased for 30 cents from the Superintendent of Documents.

For papers in other scientific or technical journals, the name of the journal is given, with address in parentheses, and with the volume number, page, and year of publication, in the order named. The journals may be obtained from the publisher or consulted in libraries.

Those who wish to keep informed concerning work at the National Bureau of Standards should subscribe to the "Technical News Bulletin". It is a monthly publication which lists all papers published by members of the staff, whether appearing in Bureau publications or in other journals. It contains abstracts of papers appearing in the Journal of Research of the National Bureau of Standards, notes on progress of work in the laboratories, important conferences at the Bureau, and other items of general technical interest. Subscriptions should be sent to the Superintendent of Documents, Government Printing Office, Washington 25, D. C. The price is 50 cents per annum.

TECHNOLOGIC PAPERS

Title	Series	Price
Performance tests of a liquid laundry soap used with textile material (1924). F. R. McGowan, F. W. Smither, and Charles W. Schoffstall	T273	OP
Reclamation of gasoline used in dry cleaning (1925) C. C. Hubbard	T280	5¢
Effect of dry cleaning on silks (1926). M. H. Goldman, C. C. Hubbard and Charles W. Schoffstall	T322	OP
Effect of laundering upon the thermal insulating value of cotton blankets (1927). Philip Rudnick ...	T347	OP
A study of problems relating to the maintenance of interior marble (1927). D. W. Kessler	T350	35¢
Cleaning of fur and leather garments (1927). M. H. Goldman and C. C. Hubbard	T360	OP

CIRCULARS

Title	Series	Price
Materials for the household (1917)	C70	50¢
Washing, cleaning and polishing materials (1939). F. W. Smither	C424	15¢

RESEARCH PAPERS

Title	Series	Price
Fastness of dyed fabrics to dry-cleaning. A. S. Eichlin. BS J. Research 3, 39-51 (1929) ..	RP80	OP
Laundry "Winter Damage". John B. Wilkie. BS J. Research 6, 593-602 (1931)	RP294	OP

MISCELLANEOUS PUBLICATIONS

Title	Series	Price
Some technical methods of testing miscellaneous supplies, including paints and paint materials, inks, lubricating oils, soaps, etc. (1916)	M15	OP

LETTER CIRCULARS

Title	Series
Anti-dimming preparations for glass surfaces	LC414
Polishes	LC753
Sweeping compounds (also known as "Floor Sweep" and "Dust Down")	LC754
Drainpipe cleaners or solvents	LC756
The care of floors	LC764
Floor oils	LC765
Simplified practice recommendations	LC816
List of commercial standards	LC823
Detergents and certain detergent aids	LC868

COMMERCIAL STANDARDS

Title	Series	Price
Stoddard solvent (dry cleaning)	CS3-40	5¢
Grading of sulphonated (sulphated) oils - saponifiable types	CS43-32	OP
Liquid hypochlorite disinfectant, deodorant, and germicide	CS68-38	5¢
Pine oil disinfectant	CS69-38	5¢
Phenolic disinfectant (emulsifying type) Phenolic disinfectant (soluble type)	CS70-41) CS71-41)	5¢
Household insecticide (liquid spray type)	CS72-38	5¢

SIMPLIFIED PRACTICE RECOMMENDATIONS

Title	Series	Price
Commercial laundry extractors	R139-32	5¢
Commercial laundry ironers	R140-32	5¢
Commercial laundry tumblers	R141-32	5¢
Commercial laundry washers	R142-32	5¢

OUTSIDE PUBLICATIONS

Soaps as dry-cleaning aids. C. C. Hubbard. American Dyestuff Reporter (90 William St., New York, N. Y.), vol. 16, p. 113; February 21, 1927.

Removing stains from cellulose-acetate rayons. M. H. Goldman and C. C. Hubbard. American Dyestuff Reporter, vol. 16, p. 237; April 18, 1927.

A machine for laboratory washing tests. W. D. Appel, W. C. Smith and H. Christison. American Dyestuff Reporter, vol. 17, p. 679; October 29, 1928.

Laundry processes improved by studies of effect of cleaning agents and methods. H. D. Hubbard. United States Daily (now United States News, Washington, D. C.); September 7, 1929.

The effect of dry-cleaning solvents upon fabrics. E. E. Hughes and W. D. Appel. The drycleaner (The National Association of Dyers and Cleaners, Silver Spring, Md.), vol. 9, pp. 6 and 24; May-June 1932.

Determination of soap and fatty acids in dry-cleaning soap. E. E. Hughes. National Cleaner & Dyer (305 East 45th Street, New York, N. Y.), vol. 24, no. 2, p. 39; February 1933.

FEDERAL SPECIFICATIONS

Although Federal Specifications are not published by the National Bureau of Standards, a list of such specifications covering detergents and related materials is given below. These specifications can be purchased at the prices indicated from the Superintendent of Documents, Government Printing Office, Washington 25, D. C. "Federal Standard Stock Catalog, Section IV, Federal Specifications, Part I, Index", which lists all Federal Specifications, with prices, can be purchased for 30 cents from the Superintendent of Documents.

Title	Spec. Symbol	Price
Candles	C-C-91	5¢
Dispensers; soap	FF-D-396b	5¢
Cream and soap; shaving	FFF-C-641	5¢
Dentifrice, tooth-paste	FFF-D-191a	5¢
Nets, laundry; bag-type	JJ-N-176a	5¢
Starch; laundry	JJJ-S-701	5¢
Acid; acetic (technical)	O-A-76	5¢
Acid; oxalic (technical)	O-A-91	5¢
Ammonia, aqua (ammonium-hydroxide), technical	O-A-451	5¢
Bleaching-material (chlorinating agents)	O-B-441a	5¢
Bluing, laundry	O-B-491	5¢
Carbon tetrachloride; technical grade	O-C-141	5¢
Cleaner; toilet-bowl (sodium bisulfate)	O-C-426	5¢
Glycerin (glycerol)	O-G-491	5¢
Soda-ash	O-S-571b	5¢
Sodium bicarbonate; technical grade	O-S-576	5¢
Sodium carbonate; granular (monohydrate crystals)	O-S-581a	5¢
Sodium metasilicate, pentahydrate	O-S-604	5¢
Sodium silicate; liquid	O-S-605	5¢
Tetrachlorethylene (perchlorethylene); technical grade)	O-T-236	5¢
Trichloroethylene; technical grade	O-T-634	5¢
Trisodium phosphate; technical (phosphate cleaner)	O-T-671a	5¢
Laundry appliances and wool presses (tailor shop)	OO-L-131c	10¢
Machines, dishwashing; and dish baskets	OO-M-31b	10¢
Compound; cleaning, soap-abrasive type (for painted surfaces)	P-C-565	5¢
Compound; grease-cleaning, solvent-emulsion type	P-C-576	5¢
Compound; sweeping	P-C-591a	5¢
Detergent, hand; paste and powder (for) mechanics' use	P-D-221a	5¢
Detergents, special; (for aluminumware, dish-washing machines, and manual cleaning)	P-D-236	5¢
Oil, floor; mineral	P-D-361	5¢
Polish; automobile, liquid	P-P-546	5¢
Polish, furniture, liquid	P-P-552	5¢
Polish; metal	P-P-556a	5¢
Polish; shoe paste	P-P-567	5¢
Polish; silver	P-P-571b	5¢
Polish; stove	P-P-576	5¢
Powder; scouring (for) floors	P-P-591a	5¢
Powder; scouring (for) highly-polished glass	P-P-596a	5¢
Soap and soap-products; general specifications (methods for sampling and testing)	P-S-536a	10¢
Soap; chip	P-S-566a	5¢
Soap; grit, cake	P-S-571a	5¢

Title	Spec. Symbol	Price
Soap; grit, hand	P-S-576a	5¢
Soap; laundry, chip, rosin-type	P-S-581	5¢
Soap; laundry, granulated, rosin-type	P-S-583	5¢
Soap; laundry, liquid	P-S-586	5¢
Soap; laundry, ordinary, bar	P-S-591a	5¢
Soap; laundry, powdered	P-S-596a	5¢
Soap; liquid and paste, (for) automobile, floor, and general-cleaning	P-S-598	5¢
Soap; low-titer (for low-temperature washing)	P-S-600	5¢
Soap, potash-linseed-oil; liquid and paste, (for) floor and general-cleaning	P-S-603	5¢
Soap-powder	P-S-606a	5¢
Soap; saddle	P-S-609	5¢
Soapl salt-water	P-S-611a	5¢
Soap; toilet, floating, white	P-S-616a	5¢
Soap; toilet, liquid	P-S-618a	5¢
Soap; toilet, milled	P-S-621a	5¢
Soap; toilet, powdered (for) dispensers	P-S-626a	5¢
Soap-borax-compound; toilet (for) dispensers	P-S-628	5¢
Soda, caustic (lye); (for cleaning purposes)	P-S-631a	5¢
Soda, laundry; modified, (washing-soda)	P-S-641a	5¢
Solvent, dry-cleaning	P-S-661a	5¢
Type-cleaner; liquid (with dauber)	P-T-936	5¢
Wax, floor; solvent-type, liquid (with resins)	P-W-134	5¢
Wax, floor; water-emulsion	P-W-151a	5¢
Wax, general-purpose; solvent-type, liquid and paste (for floors, furniture, etc.)	P-W-158	5¢
Borax (sodium borate)	SS-B-611	5¢
Cleaners, vacuum; electric, portable	W-C-421a	5¢
Machines, floor-polishing and scrubbing; electric	W-M-46a	5¢