HANDBOOK OF VAPOR DEGREASING



Published by the

AMERICAN SOCIETY FOR TESTING AND MATERIALS

1916 Race St., Philadelphia 3, Pa.

ASTM Special Technical Publication No. 310

HANDBOOK OF VAPOR DEGREASING

Prepared by

ASTM Committee D-26
On Halogenated Organic Solvents



ASTM Special Technical Publication No. 310

Price \$1.50; to Members \$1.20

Published by the AMERICAN SOCIETY FOR TESTING AND MATERIALS 1916 Race St., Philadelphia 3, Pa.

© BY AMERICAN SOCIETY FOR TESTING AND MATERIALS 1962 Library of Congress Catalog Card Number: 62-16211

FOREWORD

This Handbook of Vapor Degreasing is presented as a guide to consumers who desire comprehensive information on the vapor degreasing process. The information contained herein should aid materially those consumers who are contemplating the purchase of cleaning equipment in helping them determine if the vapor degreasing process is best suited for their cleaning problem. Consumers who are currently operating vapor degreasing equipment will benefit in turn by following the procedures recommended. The benefits will be reflected in a better cleaning job at lower cost and with greater safety. The manufacturers of vapor degreasing equipment and degreasing solvents maintain staffs of trained engineers and technicians who should be consulted for advice on specific applications and problems.

The Handbook is sponsored by ASTM Committee D-26 on Halogenated Organic Solvents. It was prepared as the first undertaking of Subcommittee II on Vapor Degreasing with the cooperation of Subcommittee V on Industrial Hygiene assisting in the preparation of the section on General Hazards of Perchlorethylene and Trichlorethylene.

Note.—The Society is not responsible, as a body, for the statements and opinions advanced in this publication.

CONTENTS

	PAGE
Process Description	1
Applications	2
Selection of a Vapor Degreasing Solvent	6
Vapor Degreasing Equipment	9
Degreaser Operation	18
General Hazards of Perchlorethylene and Trichlorethylene	25

THIS PUBLICATION is one of many issued by the American Society for Testing Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Much of the data result from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government.

Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the ASTM technical committees, or compilations of data developed in special Society groups with many organizations cooperating. A list of ASTM publications and information on the work of the Society will be furnished on request.

