



STP 403

# Cold Cleaning With Halogenated Solvents



AMERICAN SOCIETY FOR TESTING AND MATERIALS

# COLD CLEANING WITH HALOGENATED SOLVENTS

A manual prepared by  
Committee D-26 on Halogenated Organic Solvents  
AMERICAN SOCIETY FOR TESTING AND MATERIALS  
Edited by E. J. Bennett

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## Foreword

This manual was developed under the auspices of ASTM Committee D-26 on Halogenated Organic Solvents. It deals primarily with cold cleaners that fall within the scope of Committee D-26: "halogenated organic solvents and admixtures thereof."

The discussions are confined to materials that are usually volatile and will evaporate at room temperature. These chemicals do not contain substantial quantities of nonvolatile additives as do solvent emulsion cleaners, carbon removal compounds, paint strippers, and other detergents which also may contain halogenated organic solvents. Cold cleaners are generally used full strength, not diluted or mixed with other materials. They contain little or no water.

The term "cold cleaning" as used here refers to operations in which soil removal is accomplished through direct contact with a solvent or mixture of solvents at any temperature below the boiling point of the solvents used. Cold cleaning procedures are basically processes in which liquid contact by spray, dip, or wipe accomplishes the solution and removal of soils rather than vapor contact, as is true in vapor degreasing. We specifically exclude cleaning with water-soluble detergents as well as vapor degreasing, which has been covered in the *Handbook of Vapor Degreasing*.

Solvents used for charging of fire extinguishers and dry cleaning also fall outside the scope of this manual.

## **Related ASTM Publications**

**Supplement to Bibliographical Abstracts on Metal  
Cleaning, STP 90E (1960), \$2.00**

**Handbook of Vapor Degreasing, STP 310 (1962),  
\$1.50**

# Contents

<i>Section</i>		<i>Page</i>
1	Applications and Limitations of Cold Cleaning .....	1
2	Solvents Used in Cold Cleaning. ....	6
3	Cleaning Methods .....	15
4	General Discussion of Hazards. ....	20
5	Bulk Storage .....	26
6	General Conclusions and Recommendations .....	29
7	Bibliography .....	31

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