



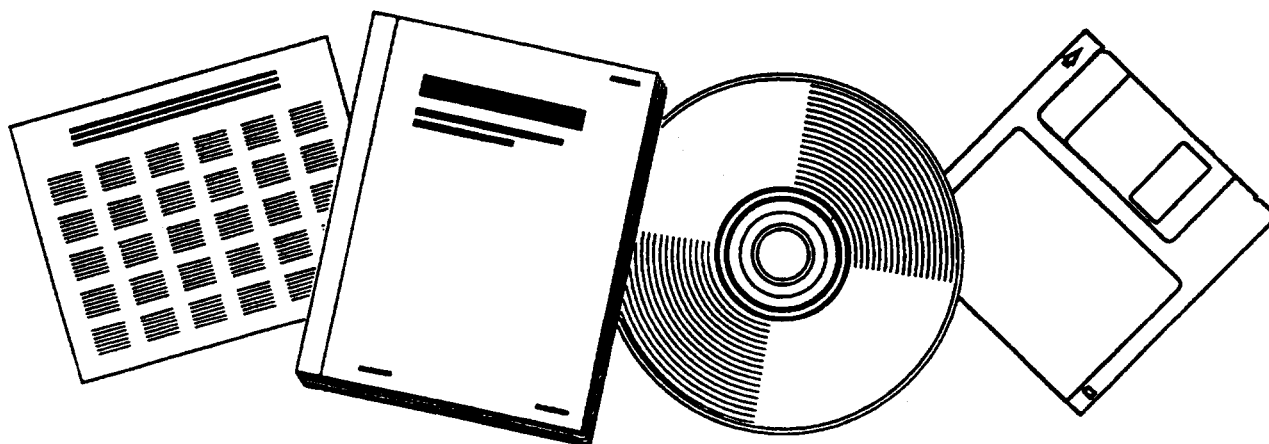
DE90011510

NTIS[®]
Information is our business.

IMPROVED CATALYSTS FOR LIQUID HYDROCARBON FUELS FROM SYNGAS. FINAL TECHNICAL PROGRESS REPORT

UNION CARBIDE CORP., TARRYTOWN, NY.
TARRYTOWN TECHNICAL CENTER

1990



U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

TECHNICAL PROGRESS REPORT

DE-AC22-84PC70028

Final Report

DOE/PC/70028-T12
(DE90011510)

DE90011510

Distribution Category: UC-108



I M P R O V E D C A T A L Y S T S F O R
L I Q U I D H Y D R O C A R B O N F U E L S F R O M S Y N G A S

Molecular Sieve Department
Catalysts and Services Division

Union Carbide Corporation
Tarrytown Technical Center
Tarrytown, New York 10591

A. CONTRACT PROTOCOL

Table of Contents

A. Contract Protocol

I. Contract Objective.....	iv
II. Schedule.....	v
III. Organization.....	vii
IV. Summary of Progress.....	viii
V. Future Work.....	xi

B. Technical Report

I. Abstract.....	1
II. Introduction	2
III. Experimental Apparatus.....	3
IV. Analytical Procedures.....	7
V. Catalyst Development.....	10
VI. Rejuvenation.....	65
VII. XPS Micro-reactor Studies.....	69
VIII. Techno-economics.....	76