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W. R. GRACE & CO.

RESEARCH DIVISION



Washington Research Center, Clarksville, Maryland 21029

GRACE CONFIDENTIAL

CONSOLIDATED MONTHLY SUMMARY

May 1970

This Consolidated Monthly Summary contains the technical information reported by the managers of the Technical Group units at WRC for May 1970. Because of the highly confidential nature of its contents, circulation is restricted to one copy per operating unit in the Chemical Group and to a few selected individuals. Those receiving copies are requested to limit access to only those members within their organization who have a real need to know.

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RESEARCH DIVISION



Washington Research Center, Clarksville, Maryland 21029

June 15, 1970

RESEARCH DIVISION & OTHER TECHNICAL GROUP UNITS AT WRC
MONTHLY REPORT FOR MAY 1970

CONSOLIDATED EDITION

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NOT TO GO OUTSIDE U.S.

This report contains information on the following
activities at the Washington Research Center:

INORGANIC MATERIALS RESEARCH

- I-1 Zeolite Stability and Activity
- I-2 New Molecular Sieve Compositions
- I-3 Fluid Bed Oxidation of o-Xylene
- I-4 KEMALOX TASK FORCE
- I-5 Auto Emissions Catalyst
- I-6 Advanced Naval Fuels
- I-7 Advanced Space Fuels
- I-8 EXPLORATORY - Polywater
- I-9 EXPLORATORY - Dispersion Hardening of Lead
- I-10 EXPLORATORY - Aqueous Binder/Alumina
- I-11 EXPLORATORY - Fire Retardancy/Polyesters
- I-12 EXPLORATORY - Attrition Resistant Microspheroidal Titania Catalyst Base
- I-13 EXPLORATORY - Silver Recovery

ORGANIC MATERIALS RESEARCH

- O-1 Ultraviolet Curable Ink
- O-2 CLP Offset Printing Plates
- O-3 LETTERFLEX Support
- O-4 LETTERFLEX Printing Quality

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ORGANIC MATERIALS RESEARCH, Cont'd.

- O-5 Alternate Curing Agents for Curable Liquid Polymers
- O-6 Low Cost Curable Liquid Polymer Systems
- O-7 New Applications for Curable Liquid Polymer Materials
- O-8 Aerial Reconnaissance Duplicating Film
- O-9 Fire Retardant Products
- O-10 Divisional Consultation - Converted Plastics Group
- O-11 EXPLORATORY - Alternative CLP Systems
- O-12 EXPLORATORY - CLP Casts
- O-13 EXPLORATORY - Photocurable PVC
- O-14 EXPLORATORY - Basic Studies on LETTERFLEX Model Compounds

AGRICULTURAL RESEARCH

- A-1 Vermiculite Moss Planting Devices
- A-2 Lightweight Construction Materials
- A-3 MagAmp Improvement Program

BIOCHEMICAL MATERIALS

- B-1 Derivatives of Isobutyraldehyde
- B-2 Particle Bound Enzymes
- B-3 Improvements in Pickle Manufacture
- B-4 Adapted Rumen Microbes (ARM)

GOVERNMENT CONTRACT RESEARCH

- G-1 Polyesters for Airfield Runway Construction, Air Force Weapons Laboratory, Kirtland Air Force Base, New Mexico
- G-2 Bare Base Mobility Group, Wright-Patterson Air Force Base, Ohio
- G-3 Flame Retardant Resin Systems - Navy
- G-4 Proposal for Project on Fire Retardants
- G-5 PNCI_2 in Polyethylene
- G-6 Pending Proposal - CLP Coater-Printer-Processor - Air Force Avionics Laboratory, Wright-Patterson Air Force Base, Ohio

OTHER R&D

- OT-1 Grace Sugar Process
- OT-2 Electron Microscopy - Analytical Dept.
- OT-3 In-Situ Chlorine Generation
- OT-4 Magna Cements
- OT-5 Linron

REQ5-001210

These items are included in the various editions
of the report as shown below:

ACG Edition	A-3; B-1,4
DAV Edition	I-1,2,3,4,5,10, 12, 13; B-2
HAMP Edition	B-2
COV Edition	O-10
HATCO Edition	I-3,11; B-1; G-1,4
European Edition	I-1,2,3,4,5,12,13; O-1,2,5,6,7,8,10,13,14
SPG Edition	No items this month
LAG Edition	OT-1,3,4,5
PFD Edition	O-1,2,5,6,7,8,13,14; G-2,6
CPD Edition	A-1,2; G-4
P&CD Edition	O-1,5,6,7,8,9,13,14; G-2,6
D&A Edition	I-9; O-1,6,7; A-1
Consolidated Foreign Edition	I-1,2,3,4,5,9,10,11,12,13; O-1,2,3,4,5,6,7, 9,10,11,12,13; A-1,2,3; B-1,2,3,4; OT-1,3,4,5
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