TEXTILE LATEXES 2

BINDER

Ed Stubenbaum

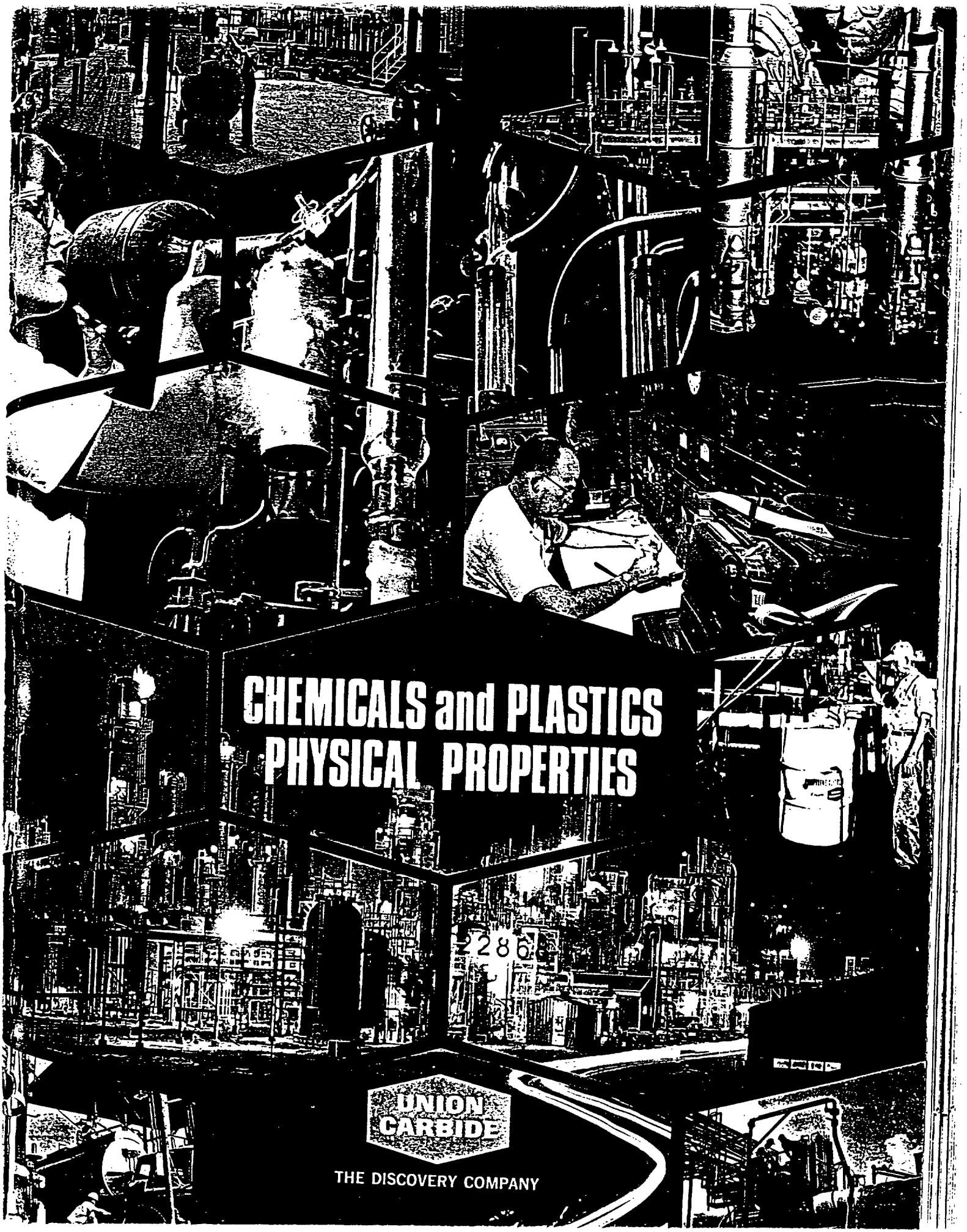
PLAINTIFF'S EXHIBIT
UC-895

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UNION CARBIDE THE DISCOVERY COMPANY

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PRODUCTS FOR AEROSPACE AND NUCLEAR ACTIVITY

In addition to the many general products listed, UNION CARBIDE maintains a capability to customize special property polymer and elastomers systems to meet unusual service conditions such as might be found in Aerospace or similar demanding applications.

Materials tailored to a great variety of requirements can be provided including performance under extreme environmental conditions.

For additional information on products for Aerospace applications, write Union Carbide Corporation, Chemicals and Plastics, New Business Development Department, 270 Park Avenue, New York, N. Y. 10017.

* * *

AGRICULTURAL PRODUCTS

SEVIN Carbaryl Insecticide—controls more than 150 different insects on 90 different crops. It is safer to handle and safer to birds, animals, and fish than many other insecticides . . . can be used close to harvest . . . controls many resistant insects . . . and its long residual action controls many insect pests with a minimum number of applications. It is also used on ornamental plants, certain pets, poultry and livestock. SEVIN is also an outstanding apple thinning compound. When dosage instructions are followed, drift of SEVIN Insecticide sprays or dusts from treated crops to nearby feed crops does not cause residue problems.

Glyodin Fungicide—controls apple and pear scab, certain summer diseases, cherry leaf spot, brown rot of peaches interplanted with apples. Suppresses red mites, reduces visible residue at harvest time.

STABILENE Fly Repellent—for use in dairy and livestock sprays against the biting and nuisance of horse flies, horn flies, stable flies, house flies, face flies, mosquitoes, and gnats. Provides repellency and extends the killing power of residual toxicants and stabilizes pyrethrins . . . makes the insecticide more effective.

TEMIK 10G Aldicarb Pesticide—is a new type of soil-applied systemic granular pesticide. When applied to moist soil, it is quickly absorbed by the plant to provide excellent long lasting control of many important species of insects, mites, and nematodes attacking cotton and ornamental plants. An application of TEMIK 10G to crops provides 8 to 10-weeks control of important insects and mites and seasonal control of all economically important nematode species, often with significant improvement in plant growth and yields. Because TEMIK is absorbed into the plant, its pest control residual is not reduced by rains or wind erosion. Also, TEMIK 10G does not harm the beneficial insect predators which do not feed on the crop.

* * *

AGRICULTURAL AND BIOCHEMICAL INTERMEDIATES

AGRICULTURAL INTERMEDIATES

Reactants— Alkylamines • Methyl Isocyanate

Surfactants—

PM 4114 TERGITOL Nonionic Surfactant—general purpose surfactant for use with herbicides, insecticides, fungicides.

PM 4878 Oil Surfactant System I—for use as an emulsifier with agricultural oils.

PM 4879 Biodegradable Surfactant for Post-Emergence Herbicides—enhances herbicidal activity; has broad spectrum activity.

PM 4884 Wetting Agent for Herbicides—biodegradable, nonionic surfactant possessing superior wetting properties.

Surfactant for MSMA Herbicides—allows formulator to manufacture a ready to use herbicide of MSMA plus surfactant.

Solvents

Custom Products

CHEMICALS FOR FOOD (Food Additives)

SENTRY Food Preservatives—SENTRY Sorbic Acid, FCC and SENTRY Potassium Sorbate, FCC control the growth of many molds, yeasts, and bacteria. They are metabolized like the fatty acid found in edible fats and oils, and are, therefore, safe to use in many foods at required low levels.

SENTRY Propylene Glycol, USP, FCC—with improved taste and odor is a solvent for flavors and colors; keeps baked goods soft and moist; acts as a plasticizer for cork seals and crowns. High quality of SENTRY Propylene Glycol, USP, FCC is maintained by a distinctive panel of odor and taste specialists.

UCON Food Grade 12—FDA approved freezant of 99.97% purity for use in direct contact food freezing.

CHEMICALS FOR THE FEED INDUSTRY

CHEMICALS FOR PHARMACEUTICALS

CHEMICALS FOR TOBACCO

* * *

ASBESTOS PRODUCTS

CALIDRIA Asbestos is a unique and versatile chrysotile asbestos mined and milled in California. A broad line of specialized products are available.

Resin-Grade 244
A premium grade thixotrope for use in laminating resins, plastisols, and organosols.

Resin-Grade 144
An effective thickening and thixotropic agent for epoxy adhesives as well as many mastics and sealants.

Resin-Grade 110
A low cost efficient filler for use in asphaltics and similar compounds applied by airless spray.

Standard Grade 210, Standard Grade 130
Controlled fine particle size fibers for use in tape joint cements.

Standard Grade 100
A pelletized asbestos product for use in vinyl-asbestos and asphalt floor tile.

Standard Grade 200
A new pelletized asbestos used as a viscosity modifier and suspension aid in oil well drilling fluids.

High Purity Asbestos
Available in both pellet and open forms, HP is used as a retention aid, for softening, and as a pitch control agent in cellulosic paper manufacture.

Asbestos T-135
A titanated asbestos used as a pigment extender in paper manufacture—available in both pellet and open forms.

* * *

HYLOX® PRINTING PLATE SYSTEM

This system makes duplicate **letterpress printing plates.**

HYLOX® MATRIX

HYLOX® PRINTING PLATE RESIN

The HYLOX matrix is a thermoplastic sheet expressly formulated for use in the HYLOX Printing Plate System. It is available in two thicknesses:

1. Original (approximately 0.080 inch)
2. Overlay (approximately 0.020 inch)

Original can be reused for 10 to 20

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Quick reference guide

to effect of additives in UCAR "800" Series Latex Formulations

Anti-Foam Agents	
General	Usually not necessary—(See comments, page 22).
Polypropylene Glycol 2025 (UNION CARBIDE)	0.1 to 0.2 per cent on total mix prevents foam under low viscosity, turbulent conditions.
FLEXOL Plasticizer TOF	0.1 to 0.2 per cent on total mix prevents foam building in coating box during extended operation.
Silicone Types	Not recommended.
Anti-Blocking Agents	
Fillers (Clay $CaCO_3$), 5 per cent	Opacifies film. Stiffens.
Zinc Oxide, 2 per cent	Opacifies film. Stiffens.
"Fabritone" 23, 2 per cent (C. H. Patrick and Co., Inc.)	Easily dispersed. Softens. No effect on rewetting.
UNION CARBIDE R-23 Silicone Water Repellent, 2 per cent	Softens.
Paraffin, 1 per cent	Stiffens. (Can be added by pre-slurrying in mineral spirits.)
Bases	
General	Used to adjust pH
Amines	Compatible. Discoloration of films increases as volatility decreases.
Ammonium Hydroxide	Most widely used. Low cost. Slight discoloration. Low water sensitivity because of volatility.
Potassium Hydroxide	Excellent color. Contributes to water sensitivity.
Sodium Hydroxide	Similar to potassium hydroxide.
Thickeners	
CELLOSIZE Hydroxyethyl Cellulose (HEC)	Can be added dry to UCAR Latex 891 (See comments, page 22).
CELLOSIZE HEC QP-52,000H	Efficient. Relatively low water sensitivity.
CELLOSIZE HEC QP-09	More can be used for given viscosity than CELLOSIZE HEC QP-52,000. Slight stiffening. Improve dye receptivity. Reduce residual tack.
Polyacrylate Emulsion	Similar to CELLOSIZE HEC QP—52,000 except more water sensitive in formulations containing cellulose reactive resins. Easy to formulate.
Polyacrylate Salts	More water sensitive than above.
CALIDRIA Resin-Grade 144 Asbestos	Acts both as a thickener and filler.
POLYOX Water-Soluble Resin WSR-301	Increases wet tack.

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