

January 11, 1971

Dr. R. S. Briggs, M.D.
30 Peck Road
Litchfield Hills Medical Center
Torrington, Connecticut 06790

Dear Dr. Briggs:

It is difficult to give you a simple yet comprehensive answer to your question concerning the ingredients in Lucite® paints and thinners. Our current lines of automotive paints consist of more than 2000 different products.

I am listing below representative products along with some information on how they are modified to produce other products:

I. Red Lucite® Acrylic Lacquer

Wt. %

1. Primary Pigments

10

Organic and inorganic pigments are both used in lacquers.

whites - titanium dioxide

greens, blues - generally insoluble organics such as phthalocyanine blues and greens.

reds, oranges, yellows - some organic, mostly inorganic salts (zinc and lead chromates and molybdates, iron oxide, etc.)

blacks - generally carbon black

Wt. %

2. Extender Pigments

3

Generally inorganic pigments (talc, diatomaceous earth, calcium carbonate, aluminum silicate, etc.)

3. Resins

20

Made up of polymers and copolymers of various acrylics such as methyl methacrylate, 2-ethyl hexyl acrylate, acrylic acid, butyl acrylate and others.

4. Solvents

aromatic hydrocarbons (benzene free)
aliphatic esters and ketones

**50
17**

The solvents used include xylene and toluene aromatics, straight and branched chain aliphatics, low molecular weight ketones such as acetone and methyl isobutyl ketone, and esters such as butyl acetate and cellosolve acetate.

100%

II. White Lucite[®] Acrylic Lacquer

1. Pigments

20

2. Resins

20

3. Solvents

aromatic hydrocarbons (benzene free)
aliphatic esters and ketones

**40
20**

The types of materials used in lacquers is similar to those found in enamels.

100%

III. Thinners

Enamel and lacquer thinners are composed primarily of aliphatic and aromatic hydrocarbons. The aliphatic portion usually runs from 0-50% while the aromatic portion amounts to 50-100%. All aromatic hydrocarbons used in thinners are benzene free. Some thinners also contain up to about 30% esters, ketones or alcohols such as acetone, methyl isobutyl ketone, ethyl alcohol, cellosolve acetate, butyl acetate, etc.

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I trust this information will be adequate for your purposes. It is understood that the information divulged here will be kept in strict confidence.

If you need more information on specific products, please do not hesitate to contact me.

Very truly yours,

William W. Miller
Toxicity & Pollution Control Coordinator

WWM:lbw