

SOLVENT: Water, Carbitol.
EMULSIFIER: Ethoxylated, alkyl phenol **
PIGMENT: Titanium dioxide, silica, calcium carbonate, aluminum oxide.

BINDER: Vinyl acetate -- butyl acrylate copolymer.
 Ratio of V.A./B.A. is estimated to be approximately 80/20. A small amount of amide (thought to be urea-formaldehyde resin) is also present.

<u>Total Sample</u>	<u>Solvent</u>	<u>Pigment</u>	<u>Binder</u>	<u>Constants</u>
Solvent 43.7%	S-714: 99.4%	TiO ₂ : 31.9%	U.F.: 0.93%	N.V.: 156.3%
Pigment 33.2%	S-577: 0.6%	SiO ₂ : 35.0%	V.A./B.A.: Balance	Veh.N.V.: 34.6%
Binder 23.1%		CaCO ₃ : 8.9%		Ash: 31.9%
		Al ₂ O ₃ : 4.0%		
		99.8%		

* Calculated

** Ethylene oxide condensate of (para) octyl or nonyl phenol. Some "Cellosize" also appears to be present.

GLD006081

REPORTED BY

H. D. S.

DEC 11 1968

49872