

Chemical Resistancy					
-Test Method: a) Apply 3drops of each reagent on the surface of STARON					
b) Expose the sample for 16 hours; covered with glass plate and uncovered					
Reagent	Fomula	Concentration (%)	Temperature (°C)	Staron Resistancy	
				high resistant	low resistant
Acetic Acid	CH ₃ COOH	10	20	X	
Ammonia	NH ₃	-	20	X	
Amyl Acetate	CH ₃ COO(CH ₂) ₄ CH ₃	-	20	X	
Ball-point Pen	-	-	20	X	
Bleach (Household Type)	-	-	20	X	
B-4 Body Conditioner	-	-	20	X	
Carbon Disulfide	CS ₂	-	20	X	
Citric Acid	C ₆ H ₈ O ₇	10	20	X	
Cigarette (Nicotine, Tar)	-	-	20	X	
Cooking Oils	-	-	20	X	
Cupra Ammonia	-	-	20	X	
Ethanol	C ₂ H ₆ O	-	20	X	
Ethyl Ether	C ₄ H ₁₀ O	-	20	X	
Gasoline	-	-	20	X	
Grape Juice	-	-	20	X	
Household Soaps	-	-	20	X	
Hydrogen Peroxide	H ₂ O ₂	-	20	X	
Ketchup	-	-	20	X	
Lipstick	-	-	20	X	
Methanol	CH ₃ OH	-	20	X	
Methyl Orange	C ₁₄ H ₁₄ N ₃ NaO ₃ S	1	20	X	
Mineral Oil	-	-	20	X	
Nail Polish	-	-	20	X	
N-hexane	C ₆ H ₁₄	-	20	X	
Pencil Lead	-	-	20	X	
Permanent Marker Pen	-	-	20	X	
Soapless Detergents	-	-	20	X	
Sodium Hydroxide Solution	NaOH	5, 10, 25, 40	20	X	
Sodium Sulfate	Na ₂ SO ₄	-	20	X	
Sugar (Sucrose)	C ₁₂ H ₂₂ O ₁₁	-	20	X	

Reagent	Fomula	Concentration (%)	Temperature (°C)	Staron Resistancy	
				high resistant	low resistant
Sulfuric Acid	H ₂ SO ₄	25, 33, 60	20	X	
Tetrahydrofuran	C ₄ H ₈ O	-	20	X	
Tomato juice	-	-	20	X	
Uric acid	C ₅ H ₄ N ₄ O ₃	-	20	X	
Washable inks	-	-	20	X	
Xylene	C ₈ H ₁₀	-	20	X	
Acetone	C ₃ H ₆ O	-	20	X	
Ammonium Hydroxide	NH ₃ [aq])	5, 28	20	X	
Amyl Alcohol	C ₅ H ₁₂ O	-	20	X	
Benzene	C ₆ H ₆	-	20	X	
Blood	-	-	20	X	
Butyl Alcohol	C ₄ H ₉ OH	-	20	X	
Carbon Tetrachloride	CCl ₄	-	20	X	
Calcium Thiocyanate	Ca(SCN) ₂	78	20	X	
Coffee	-	-	20	X	
Cottonseed oil	-	-	20	X	
Dishwashing liquid/powders	-	-	20	X	
Ethyl Acetate	C ₄ H ₈ O ₂	-	20	X	
Formaldehyde	H ₂ CO	-	20	X	
Gentian Violet	C ₂₅ H ₃₀ ClN ₃	-	20	X	
Hair Dyes	-	-	20	X	
Hydrochloric Acid	HCl	20, 30, 37	20	X	
Iodine	I	1	20	X	
Lemon Juice	-	-	20	X	
Mercurochrome	C ₂ OH ₈ Br ₂ HgNa ₂ O ₆	2	20	X	
Methyl Ethyl Ketone	CH ₃ COCH ₂ CH ₃	-	20	X	
Methyl Red	C ₁₅ H ₁₅ N ₃ O ₂	1	20	X	
Mustard	-	-	20	X	
Naphthalene	C ₁₀ H ₈	-	20	X	
Olive Oil	-	-	20	X	
Perchloric Acid	HClO ₄	-	20	X	
Shoe Polish	-	-	20	X	
Sodium Bisulfate	NaHSO ₄	-	20	X	

Reagent	Fomula	Concentration (%)	Temperature (°C)	Staron Resistancy	
				high resistant	low resistant
Soy Sauce	-	-	20	X	
Sulfuric Acid	H ₂ SO ₄	25, 33, 60	20	X	
Tea	-	-	20	X	
Toluene	C ₇ H ₈	-	20	X	
Urea	(NH ₂) ₂ CO	6	20	X	
Vinegar	-	-	20	X	
Wine	-	-	20	X	
Zinc Chloride	ZnCl ₂	-	20	X	
Acetic Acid	CH ₃ COOH	90, 98	20		X
Acid Drain Cleansers	-	-	20		X
Chlorobenzene	C ₆ H ₅ Cl	-	20		X
Chloroform	CHCl ₃	1	20		X
Chromic Trioxide Acid	H ₂ CrO ₄	-	20		X
Cresol	C ₇ H ₈ O	-	20		X
Dioxane	C ₄ H ₈ O ₂	-	20		X
Ethyl Acetate	C ₄ H ₈ O ₂	-	20		X
Equalizing Mix (50/50)	-	-	20		X
Film Developer	-	-	20		X
Formic Acid	CH ₂ O ₂	50, 90	20		X
Furfural	C ₅ H ₄ O ₂	-	20		X
Glacial Acetic Acid	C ₂ H ₄ O ₂	-	20		X
Hydrofluoric Acid	HF	48	20		X
Luralite mix (50/50)	-	-	20		X
Methylene chloride based products such as paint removers,brush cleansers and some metal cleansers	CH ₂ Cl ₂	-	20		X
Nitric acid	HNO ₃	25, 30, 70	20		X
Phenol	C ₆ H ₅ OH	40, 85	20		X
Phosphoric Acid	H ₃ PO ₄	75, 90	20		X
Sulfuric Acid	H ₂ SO ₄	77, 96	20		X
Trichloroacetic Acid	CCl ₃ COOH	10, 50	20		X