

ASSESSMENT OF CHEMICAL RESISTANCE

The following have been tested for use with Chem k-12™ High Pressure Laminate. Approval indicates acceptable/minimal reaction to contact with listed chemical compounds.

HIGH SCHOOL ENVIRONMENT

CHEMICAL	AMT	APPROVED
Ammonium Chloride	500 g	Yes
Benedict's Solution, Qualitative	500 mL	Yes
Biuret Solution	500 mL	Yes
Bromothymol Blue, 0.04% [1]	500 mL	Yes
Calcium Chloride, 4-8 Mesh, Anhydrous	500 g	Yes
Corn Starch, Powder	500 g	Yes
Corn Syrup, Light	500 mL	Yes
Dextrose, Monohydrate,	500 g	Yes
Effervescent Antacid Tablets		Yes
Ethyl Alcohol, 95% Denatured	3.8 L	Yes
Food Coloring, 4 Colors		Yes
Glycerin	500 mL	Yes
Hydrochloric Acid, 36%, Safety Bottle [2]	2.5 L	Yes
Hydrochloric Acid, 9%	500 mL	Yes
Hydrogen Peroxide, 3% [2]	500 mL	Yes
Iodine Starch Test, 1.8%	00 mL	Yes
Iodine/Potassium Iodide	500 mL	Yes
Isopropyl Alcohol, 70%	16 oz	Yes
Lugol's Solution, Dilute	500 mL	Yes
Magnesium Ribbon	1 oz	Yes
Phenol Red, 1% IPA/Water	100 mL	Yes
Phenolphthalein	100 g	Yes
Polyvinyl Alcohol, 5%	100 mL	Yes
Silver Nitrate	25 g	Yes
Sodium Acetate	500 g	Yes
Sodium Bicarbonate	500 g	Yes
Sodium Chloride	500 g	Yes
Sodium Hydroxide, Pellets	500 g	Yes
Universal Indicator	250 mL	Yes
Vinegar, White	500 mL	Yes
Zinc Squares, 1 cm	Pack of 100	Yes

ALTERNATE HIGH SCHOOL CHEMICALS

Acetic Acid	Yes
Acetone	Yes
Ammonium Hydroxide	Yes
Calcium Carbonate	Yes
Copper Sulfate - Pentahydrate	Yes
Ethanol 200 Proof	Yes
III - Iron Chloride Solution	Yes
Methanol	Yes
Potassium Chloride	Yes
Potassium Hydroxide	Yes
Potassium Iodide	Yes
Sodium Borate or Decahydrate	Yes
Sodium Carbonate or Anhydrous	Yes
Sulfuric Acid [2]	Yes
Water - HPLC Grade	Yes

MIDDLE SCHOOL ENVIRONMENT

CHEMICAL	AMT	APPROVED
Ammonium Chloride	500 g	Yes
Effervescent Antacid Tablets		Yes
Benedict's Solution, Qualitative	500 mL	Yes
Biuret Solution	500 mL	Yes
Bromothymol Blue, 0.04% [1]	500 mL	Yes
Calcium Chloride, 4-8 Mesh, Anhydrous	500 g	Yes
Corn Syrup, Light	500 mL	Yes
Dextrose, Monohydrate	500 g	Yes
Ethyl Alcohol, 95% Denatured	3.8 L	Yes
Glycerin	500 mL	Yes
Food Coloring, 4 Colors		Yes
Hydrogen Peroxide, 3% [2]	500 mL	Yes
Lugol's Solution, Dilute	500 mL	Yes
Hydrochloric Acid, 9%	500 mL	Yes
Iodine/Potassium Iodide	500 mL	Yes
Iodine Starch Test, 1.8%	100 mL	Yes
Isopropyl Alcohol, 70%	16 oz	Yes
Magnesium Ribbon	1 oz	Yes
Phenolphthalein	100 g	Yes
Phenol Red, 1% IPA/Water	00 mL	Yes
Polyvinyl Alcohol, 5%	100 mL	Yes
Sodium Bicarbonate	500 g	Yes
Sodium Acetate	500 g	Yes
Silver Nitrate	25 g	Yes
Sodium Chloride	500 g	Yes
Sodium Hydroxide, Pellets	500 g	Yes
Corn Starch, Powder	500 g	Yes
Universal Indicator	250 mL	Yes
Vinegar, White	500 mL	Yes
Zinc Squares, 1 cm	Pack of 100	Yes

[1] May stain light-colored surface. Removable with Isopropanol, Ethanol, or Acetone.

[2] Contact should not exceed 12 hours. Surface damage possible.



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