SciMatCo

Under-the-Counter Cabinet

Installation and Maintenance Instructions

Cabinet Model Numbers:

Model No. 1424	Partially Lined Acid Cabinet
Model No. 1430	Partially Lined Acid Cabinet
Model No. 1436	Partially Lined Acid Cabinet
Model No. 1448	Partially Lined Acid Cabinet
Model No. 1624	Fully Lined Acid Cabinet
Model No. 1630	Fully Lined Acid Cabinet
Model No. 1636	Fully Lined Acid Cabinet
Model No. 1648	Fully Lined Acid Cabinet
Model No. 1824	Flammables Cabinet
Model No. 1830	Flammables Cabinet
Model No. 1836	Flammables Cabinet
Model No. 1848	Flammables Cabinet
Model No. 2036	Partially Lined Combination Cabinet
Model No. 2048	Partially Lined Combination Cabinet
Model No. 2236	Fully Lined Combination Cabinet
Model No. 2248	Fully Lined Combination Cabinet

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Under-the-Counter Cabinet

Installation and Maintenance Instructions

Please unpack these cabinets carefully. If any damage is evident, immediately notify the delivering freight carrier and the supplier of your SciMatCo Under-the-Counter cabinet.

You have just purchased the finest cabinet designed solely for the safe storage of hazardous chemicals. Please read the manual thoroughly before using this product. Only store chemicals in the compartments which are designed to hold these chemicals. Please keep this manual on hand for future reference.

> ***Caution:*** *Always use eye, face, hand, and body protection when using this cabinet.*

I. Unpacking the Cabinets

The best method of unpacking the cabinets is as follows.

A) Remove staples, tape and banding material from the top and bottom of the carton.

B) Open the top of the box and remove the four (4) packing corners. Gently lift the carton off the product.

C) Move the cabinet to its appropriate location. Make sure the surface on which you would like to set the cabinet can support the weight of the cabinet and its contents.

You must level the cabinet to insure proper door operation. Four leveling feet located at the bottom of the cabinet are to be used for this purpose.

> ***Caution:*** *Do not locate your cabinet near open flame, spark or heat or any source of ignition.*

II. Assembly

Your Under-the-Counter cabinets come fully assembled so no assembly is needed.

> ***Warning:*** *Always close and secure cabinet doors after removing your chemicals.*

III. Maintenance

Acid Storage Compartment

Your SciMatCo Under-the-Counter acid cabinet is constructed of 1" thick, high density plywood, painted with several coats of a lacquer paint and then painted with three (3) coats of clear epoxy. This cabinet was designed to give you years of trouble free service with minimal maintenance.

> ***Caution:*** *Always use eye, face, hand and body protection when cleaning this cabinet.*

The inside of the acid cabinet should occasionally be wiped off using a weak solution of sodium phosphate tribasic. Having a good cleaning program and following it will help you get many years of service out of you cabinet. The ratio is 45 grams of sodium phosphate tribasic to one gallon of water.

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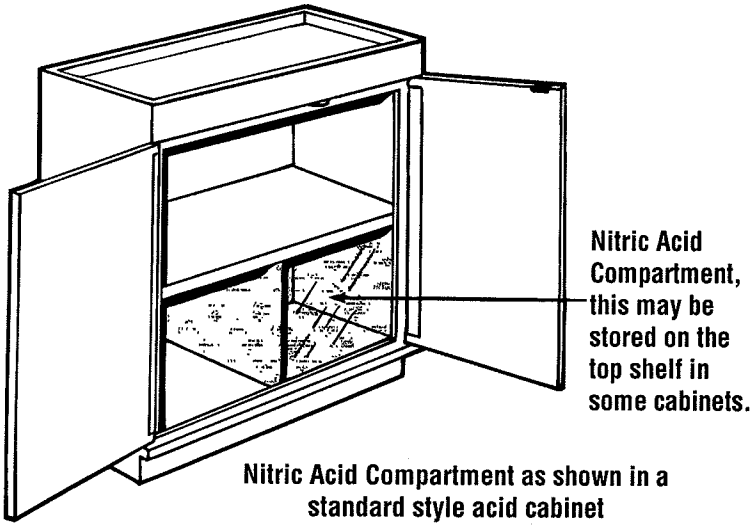
The cabinets should also be completely emptied three (3) times a year and cleaned thoroughly using this solution. Remember, the greatest stress is placed on the cabinet during the hot summer months. Acid bottles are designed to vent and will vent excessively during periods of high temperatures. Keep this in mind when planning your cleaning schedule. Having a good cleaning program and following it will assure you that you will get many years of service out of your cabinet.

Any scratches in the painted surface of the cabinet should be repainted at once. You can order an epoxy touch up paint kit from us. Please refer to the replacement parts list at the end of this manual for the appropriate catalog number.

The wooden hinges, on your acid cabinet, is designed for long life, however, they may occasionally squeak. If this occurs, a lubricant, such as a petroleum spray can be used on the hinges to relieve this problem.

Danger: *Do not store perchloric acid in this cabinet or in the company of any other chemicals. Always store perchloric acid alone. Perchloric acid forms explosive crystals, which can cause an explosion.*

Warning: *Absolutely no flammable materials should ever be stored in the acid section of the cabinet. This provision excludes all acids which may also be flammable.*



Nitric Acid Compartment as shown in a standard style acid cabinet

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Flammables Compartment

Your Under-the-Counter flammables cabinet is constructed of 1" thick, high density plywood, painted with several coats of a lacquer paint and then painted with three coats of a clear epoxy. This cabinet was designed to give you years of trouble free service with minimal maintenance.

The flammables compartment should be occasionally wiped off with a wet cloth, using warm water and a common household cleaner. Any scratch in the cabinet should also be repaired immediately by touching them up with the epoxy touch up kit which is available from us.

Your flammables compartment has an all metal hinge. From time to time it may squeak. You may use a petroleum base lubricant on this door hinge to relieve this problem.

Warning: *Absolutely no acid or corrosive materials should ever be stored in the flammables section of the cabinet.*

IV. Nitric Acid Storage
(Acid Compartment only)

There is an urgent need to keep the nitric acid separate from the acetic acid in your acid cabinets. The combination of these two substances has resulted in fires and in small explosions. We offer an accessory for our acid cabinets which has been designed especially for the storage of nitric acid. The use of this welded polypropylene container dramatically reduces the possibility of the mixtures of these two dangerous substances. Please use part number SC8071 when ordering and contact your dealer for pricing.

Warning: *If you do not wish to purchase the optional Nitric Acid Compartment, please do not store the acetic and nitric acid in the same cabinet. A fire or explosion may result.*

V. Replacement Parts List

Description	Part No.
Paint Touch-up Kits	
Grey	2060-1
Blue	8041-7
Yellow	7021-5
Extra Keys	
Acid	8041-4
Flammables/Poison	7021-1
New Locks	
Acid	8041-5
Flammables/Poison	7021-4
Miscellaneous Parts	
TSP Cabinet Cleaner for Acid Cabinet	8041-8

If you have any questions or need any replacement parts, please contact your supplier.

SciMatCo Product Warranty

Scientific Materials Company warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. This warranty excludes damage caused by abuse, misuse, accidents or the failure to provide proper maintenance.

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