



# Acid/Corrosives Cabinet

## Installation and Maintenance Instructions

Model No. 5000  
Model No. 5023  
Model No. 5024  
Model No. 5040  
Model No. 5060

Small Bench Polypropylene Cabinet  
Floor Polypropylene Cabinet 24" W  
Floor Polypropylene Cabinet 24" W  
Floor Polypropylene Cabinet 40" H  
Floor Polypropylene Cabinet 60" H

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

You have just purchased the finest cabinet designed solely for the safe storage of corrosive chemicals. Please read the manual thoroughly before using this product. Only store corrosive materials in this cabinet. Please keep this manual on hand for future reference.

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

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

## II. Assembly and Set-Up

Your Acid/Corrosives cabinet comes fully assembled so no assembly is needed. Once you have moved your cabinet into its proper location, you may need to level the cabinet to insure the proper stability.

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

## 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. Be careful not to scratch the cabinet with the box.
- 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.

## III. Maintenance

Your SciMatCo Acid/Corrosives cabinet is constructed of 3/8" thick, Polypropylene (PP). All cabinets have a liquid-tight welded interior for secondary containment. 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 or neutralizing solution.

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.

The plastic hinges are 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.

#### **IV. Nitric Acid Storage**

There is an urgent need to keep the nitric acid separate from the acetic acid in your acid cabinet. The combination of these two substances has resulted in fires and small explosions.

We offer an accessory for our acid cabinets (except Model No. 5000) which has been designed especially for the storage of nitric acid. The use of this welded polypropylene container dramatically reduces the possibility of the mixture of these two dangerous substances. For ordering information, please see the replacement parts list.

**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. Materials to be stored**

This Acid/Corrosives cabinet is designed for the storage of corrosive materials, primarily acids and bases.

**Warning:** *Absolutely no flammable materials should ever be stored in this cabinet.*

By design this cabinet does not have the metal hinges and lock which are required for use as a flammables cabinet. This cabinet has been designed to give years of service as an Acid/Corrosives cabinet by exempting the use of metal in the construction of the cabinet. Never store flammable materials in this cabinet unless they are also corrosive materials.

**Warning:** *Do not place this cabinet in an area that is exposed to direct sunlight. The ultraviolet rays of the sun may cause the plastic to yellow or discolor over time.*

## VI. Replacement Parts List

<b>Description</b>	<b>Part No.</b>
<b>Replacement Door Hinge</b>	SC5005
<b>Replacement Door Handle</b>	SC5006
<b>Miscellaneous Parts</b>	
Nitric Acid Compartment for all cabinets except SC5000	SC8071

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.

# **SciMatCo**

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