

Re: Low-cost retail CO2 bottles?

Source: <http://sci.tech-archive.net/Archive/sci.optics/2005-07/msg00292.html>

- *From:* Repeating Rifle <salmonegg@xxxxxxxxxxxxxx>
 - *Date:* Thu, 28 Jul 2005 19:50:39 GMT
-

On 7/28/05 9:39 AM, in article Q1GejDH4oQ6CFwjV@xxxxxxxxxxxxxxxxxxxx, "David Littlewood" <david@xxxxxxxxxxxxxxxxxxxx> wrote:

> (3) Buy a Kipps generator (they come up on eBay) and use it with marble
> chips (CaCO3) and dilute sulphuric or hydrochloric acid*. The way these
> work (Google it) would allow you to produce slow or intermittent
> controlled amounts as needed.

You don't really need a Kipp generator. Sulfuric or muriatic (cheap hydrochloric) acid are cheap enough. Calcium carbonate in the form of limestone, chalk, or even clam shells is also pretty cheap. Adding the to any kind of a plastic container container with a hose outlet big enough to prevent bursting will probably be satisfactory. Concentrated sulfuric acid is available as battery acid or in some forms of drain cleaner. Muriatic is often available for pool maintenance or other applications.

Calcium sulfate, which is not very soluble, and very dilute residual sulfuric acid may actually be good for the alkaline soils found in California. Calcium chloride is very soluble and probably will not harm soil in small quantities.

Bill

• *References:*

- ◆ [Low-cost retail CO2 bottles?](#)
◇ *From:* AES
- ◆ [Re: Low-cost retail CO2 bottles?](#)
◇ *From:* David Littlewood

- Prev by Date: [MIR spectrum for teflon](#)
- Next by Date: [Re: Version II of Low-cost retail CO2 bottles?](#)
- Previous by thread: [Re: Low-cost retail CO2 bottles?](#)
- Next by thread: [Re: Version II of Low-cost retail CO2 bottles?](#)
- Index(es):

Re: Low-cost retail CO2 bottles?

- ◆ Date
- ◆ Thread