

Converting liquid gallons to pounds

The Emergency Planning and Community Right to Know Act specifies that reporting will be done in pounds even though materials/supplies are often sold to us in gallons. We have listed some of the more common products below and show you how to do the conversions. As a reminder, unless a product is considered an EHS you do not need to report it unless you have 10,000 pounds or more.

If you do not find your product(s) listed below you can find the process by which you can do your own conversion at the bottom of the page.

Product	Weight	Typical
Fuel Oil (all types)	6.5 lbs to the gallon	10,000 gallons equals 65,000 pounds
Diesel Fuel	6.5 lbs to the gallon	2,000 gallons equals 13,000 pounds
Gasoline	6.5 lbs to the gallon	1,550 gallons equals 10,075 pounds
Kerosene	6.5 lbs to the gallon	5,000 gallons equals 32,500 pounds

Propane 4.23 lbs to the gallon 1,000 gallons equals 3,384 pounds

What is unique however is that tanks are only filled to 80% capacity. Therefore we do the following math: 1,000 gallon container x 4.23 pounds to the gallon x 80% capacity.

Calcium Chloride 17.95 lbs to the gallon 1,000 gallons equals 17,950 pounds

Oxygen (liquid) 9.18 lbs to the gallon 1,300 gallons equals 11,934 pounds

Whenever you want to convert a liquid gallon to a pound the following steps will allow you to make that change:

- 1 - How many gallons do you have?
- 2 – From the SDS find the specific gravity
- 3 – Multiply the number of gallons by the specific gravity
- 4 – Multiply the total of step 3 by 8.35.

This will give you the number of pounds you have of a product that you store in gallons.

(Encl. 3)