

# HOW TO CONVERT LIQUIDS TO BARRELS

## LIQUID EQUIVALENTS

1 ft (cubed) of water = 7.5 gal = 62.4 lbs. = 28.3 liters

1 acre-inch of water = 27,154 gal = 3630 ft

1 liter = 2.113 pt. = 1,000 ml = 1.057 qt. = 33.8 fl. oz. = 0.26 gal

1 U.S. gal = 4 qt. = 8 pt. = 16 cups = 128 fl. oz. = 8.337 lbs of water = 3.785 L = 3785 ml = 231 in 3 = 256 tbsp.

1 qt. = 0.9463 liters = 2 pt. = 32 fl. oz. = 4 cups = 64 tbsp. = 57.75 in 3 = 0.25 gal = 946.4 ml

1 pt. = 16 fl. oz. = 2 cups = 473.2 ml = 32 level tbsp. = 0.125 gal = 0.5 qt.

1 cup = 8 fl. oz. = 1/2 pt. = 16 tbsp. = 236.6 ml

1 tbsp. = 14.8 ml = 3 tsp. = 0.5 fl. oz.

1 ml = 1 cm<sup>3</sup> = 0.34 fl. oz. = 0.002 pt

1 tsp. = 4.93 ml = 0.1667 fl. oz. = 80 drops

1 U.S. fl. oz. = 29.57 ml. = 2 tbsp. = 6 tsp. = 0.03125 qt.

### Example

Once you have the number of ounces, divide by 128 (the number of ounces in a gallon) by the number of gallons, then multiply by 42 (the number of gallons in a barrel), then multiply by the retail price of the product to get the cost per barrel.

$128 \div \# \text{ of oz.} \times 42 \times \text{price} = \text{cost/barrel}$

Example:  $128 \div \text{Hershey's Syrup } 24 \text{ oz.} \times 42 \times \$2.44 = 546.56$

See back for Price Per Barrel Product List

OHIO OIL & GAS ENERGY EDUCATION PROGRAM



# PRICE PER BARREL PRODUCT LIST

PRODUCT	FLUID AMOUNT	COST	COST / BARREL
A1 Sauce	10 oz.	\$3.29	\$1,768.70
Aquafina Water	20 oz.	\$1.79	\$481.15
Ben & Jerry's Ice Cream	1 pint / 16 oz.	\$5.19	\$1,743.84
Brake Fluid	12 oz.	\$4.99	\$2,235.52
Coca-Cola	20 oz.	\$1.79	\$481.15
Coppertone Sport Sunscreen	6 oz.	\$7.99	\$7,159.04
Crest Toothpaste	4.6 oz.	\$1.99	\$2,325.70
Elmer's Glue	4 oz.	\$1.79	\$2,405.76
Folgers Coffee	11.5 oz.	\$4.69	\$2,192.47
Gatorade	12 oz.	\$0.50	\$224.00
Gerber Applesauce	8 oz.	\$1.25	\$840.00
Head & Shoulders Shampoo	14.2 oz.	\$5.69	\$2,154.19
Hershey's Syrup	24 oz.	\$2.50	\$560.00
Johnson's Baby Lotion	9 oz.	\$2.99	\$1,786.03
Jack Daniel's Whiskey	1 Liter / 33.8 oz.	\$36.99	\$8,365.43
Kraft Ranch Salad Dressing	16 oz.	\$2.99	\$1,004.64
Listerine Mouthwash	3.2 oz.	\$1.67	\$2,805.60
Milk-Bone Dog Biscuits	26 oz.	\$3.18	\$657.53
Mio Water Enhancer	1.62 oz.	\$3.99	\$13,240.89
Nasonex Prescription Medicine	17 g / 0.6 oz.	\$180.00	\$2,293,200.00
Nyquil Cold / Flu Relief	6 oz.	\$6.27	\$5,617.92
Off! Bug Spray	6 oz.	\$6.99	\$6,263.04
Old Spice After Shave	6.37 oz.	\$8.19	\$6,912.00
Pam Cooking Spray	5 oz.	\$3.99	\$4,290.05
Pepto-Bismal	8 oz.	\$4.29	\$2,882.88
Poster Paint	4 oz.	\$2.39	\$3,212.16
Raid Bug Spray	11 oz.	\$3.89	\$1,230.16
Robitussin Cough Medicine	4 oz.	\$6.49	\$8,722.56
Skim Milk	½ Gallon / 64 oz.	\$1.69	\$141.96
Softsoap Hand Soap	7.5 oz.	\$1.29	\$924.67
Soy Milk	½ Gallon / 64 oz.	\$3.29	\$276.36
Speed Stick Deodorant	3 oz.	\$2.19	\$3,924.48
Starbucks Frappuccino	12 oz.	\$3.95	\$1,769.60
Tide Laundry Detergent	46 oz.	\$7.99	\$933.79
Tropicana Orange Juice	8 oz.	\$0.93	\$624.96
Tylenol Infants' Drops	2 oz.	\$10.89	\$29,272.32
Vaseline	3.75 oz.	\$2.79	\$3,999.74
WD-40	8 oz.	\$5.99	\$4,025.28