◀Sq Ft		Application Rates			
		Gas-E10 Diesel	Polar Solvents		
			Low	Med	High
		0.10	0.16	0.20	0.24
100	GFSPM	10.00	16.00	20.00	24.00
	GFCPM	0.30	0.48	0.60	0.72
	Pails	0.9	1.4	1.8	2.2
250	GFSPM	25.00	40.00	50.00	60.00
	GFCPM	0.75	1.20	1.50	1.80
	Pails	2.3	3.6	4.5	5.4
500	GFSPM	50.00	80.00	100.00	120.00
	GFCPM	1.50	2.40	3.00	3.60
	Pails	4.5	7.2	9.0	10.8
750	GFSPM	75.00	120.00	150.00	180.00
	GFCPM	2.25	3.60	4.50	5.40
	Pails	6.8	10.8	13.5	16.2
1,000	GFSPM	100.00	160.00	200.00	240.00
	GFCPM	3.00	4.80	6.00	7.20
	Pails	9.0	14.4	18.0	21.6
1,250	GFSPM	125.00	200.00	250.00	300.00
	GFCPM	3.75	6.00	7.50	9.00
	Pails	11.3	18.0	22.5	27.0
1,500	GFSPM	150.00	240.00	300.00	360.00
	GFCPM	4.50	7.20	9.00	10.80
	Pails	13.5	21.6	27.0	32.4
1,750	GFSPM	175.00	280.00	350.00	420.00
	GFCPM	5.25	8.40	10.50	12.60
	Pails	15.8	25.2	31.5	37.8
2,000	GFSPM	200.00	320.00	400.00	480.00
	GFCPM	6.00	9.60	12.00	14.40
	Pails	18.0	28.8	36.0	43.2
3,000	GFSPM	300.00	480.00	600.00	720.00
	GFCPM	9.00	14.40	18.00	21.60
	Pails	27.0	43.2	54.0	64.8
4,000	GFSPM	400.00	640.00	800.00	960.00
	GFCPM	12.00	19.20	24.00	28.80
	Pails	36.0	57.6	72.0	86.4
5,000	GFSPM	500.00	800.00	1000.00	1200.00
	GFCPM	15.00	24.00	30.00	36.00
	Pails	45.0	72.0	90.0	108.0
6,000	GFSPM	600.00	960.00	1200.00	1440.00
	GFCPM	18.00	28.80	36.00	43.20
	Pails	54.0	86.4	108.0	129.6
7,000	GFSPM	700.00	1120.00	1400.00	1680.00
	GFCPM	21.00	33.60	42.00	50.40
	Pails	63.0	100.8	126.0	151.2
8,000	GFSPM	800.00	1280.00	1600.00	1920.00
	GFCPM	24.00	38.40	48.00	57.60
	Pails	72.0	115.2	144.0	172.8
9,000	GFSPM	900.00	1440.00	1800.00	2160.00
	GFCPM	27.00	43.20	54.00	64.80
	Pails	81.0	129.6	162.0	194.4
10,000	GFSPM	1000.00	1600.00	2000.00	2400.00
	GFCPM	30.00	48.00	60.00	72.00
	Pails	90.0	144.0	180.0	216.0

Table is only for a 15 Minute application for containment. Additional will be needed for drain time, reapplication etc.

Warning!- Polar Solvents have been calculated for SVFD's 3%-3% Alcohol Resistant foam. Any mutual aid foam which requires 6% will require DOUBLE the number of 5 gallon pails!

GFSPM – Gallons of Foam **Solution** Per Minute *Ft^2 x (.1, .16, .20 or .24)*

GFCPM – Gallons of Foam **Concentrate** Per Minute *GFSPM x .03*

Pails – how many 5 gallon units (buckets) needed *(GFCPM x 15) / 5*

Polar Solvent Categories

Low (.16) – Gas with more than 10% ethanol. E 20, up to E85 with thin spill

Med (.20) – E85 spill with 1"+ depth or E20 on fire.

High (.24) – E85 fire, Ethanol fire

Mutual Aid Foam Need		
Pails needed		***1 eductor/nozzle for every 125GFSPM***
-Pails on hand	-	
Request MA for	= Pails	

Mutual Aid Foam Tracking					
Agency	***Pails***	***3or6***	***ETA***	***Educt/Nozz***	***Have***

RECEOVS

Rescues -Exposures -Confinement -Extinguish Overhaul -Ventilation

Help with Square Footage determinations

Attic ladder x attic ladder (1 dump tank)(10'L x 10'W=**100 FT^2**)

10 dump tanks (100Ft2 each) = **1,000 FT^2**

Crosslay by a yardstick (200'L x 3'W=**600 FT^2**)

Squad 6 appx size (36'L x 8'W=**288 FT^2**)

1 hose length by 1 hose length (50'L x 50'W=**2,500 FT^2**.)

Crosslay by 1 hose length (200'L x 50'W=**10,000 FT^2.)**

Crosslay by Crosslay (200'L x 200'W=**40,000 FT^2**)

Other Square footage categories not shown

For Ft FT^2 not shown, combine the categories. For Example:

3,500 FT^2, add the 3,000 & 500 requirements

18,000 FT^2, 10,000 + 8,000 or Double the 9,000

Round numbers to the next 100th

Swannanoa Fire & Rescue

Quick Guide for Flammable Liquid Incidents

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