



# Desiccant Requirements

## Rigid & Flexible Barriers

Rigid Barrier (Volume) <i>Moisture impervious containers made from metal, plastic, glass or combinations of different materials.</i>			Flexible Barrier (Area) <i>Laminated packaging materials made to prevent water and water vapor from penetrating through the combined layers.</i>		Desi Pak® or Sorb-It®
Cu. In.	Cu. Ft.	Gallons	Sq. In.	Sq. Ft.	Units Req.
237	0.14	1.1	15	0.1	1/6
476	0.28	2.1	30	0.2	1/3
715	0.42	3.2	45	0.3	1/2
1,429	0.83	6.2	90	0.6	1
2,857	1.67	12.5	180	1.3	2
4,286	2.50	18.7	270	1.9	3
5,714	3.33	25.0	360	2.5	4
7,143	4.17	31.2	450	3.1	5
8,571	5.00	37.4	540	3.8	6
10,000	5.83	43.6	630	4.4	7
11,423	6.67	50.0	720	5.0	8
12,857	7.50	56.1	810	5.6	9
14,286	8.33	62.3	900	6.3	10
17,143	10.00	74.8	1,080	7.5	12
20,000	11.67	87.3	1,260	8.8	14
22,857	13.33	99.7	1,440	10.0	16
28,571	16.67	125	1,800	12.5	20
42,857	25.00	187	2,700	18.8	30
57,143	33.33	249	3,600	25.0	40
71,429	41.67		4,500	31.3	50
85,714	50.00		5,400	37.5	60
100,000	58.30		6,300	43.8	70
114,286	66.67		7,200	50.0	80

*\*\*Additional desiccant may be needed if packed with dunnage. See back for conversion.*

**Desi Pak®:** Activated clay desiccant. Free flowing granular material with high moisture adsorbing ability from 20 to 80 percent relative humidity under normal packaging and storage conditions.

**Sorb-It®:** Silica gel made from amorphous silicate. A hard, translucent material with an extremely high capacity for moisture at temperatures below 75°F and humidity levels above 40 percent.

Desi Pak and Sorb-It packaged desiccants are qualified under Mil-D-3464 Type I and II for use in Method II packaging Mil-P-116.

**NOTE:** The amount of desiccant/adsorbent required will depend on the chemical characteristics of the product, as well as the volume contents and physical properties of the container. Süd-Chemie recommends that a stability study is performed to determine the exact amount required. Samples are available upon request.

See Süd-Chemie's Desiccant Performance Data sheet for complete product information.

**(Turn over for dunnage compensation)**





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### Dunnage Compensation

*Dunnage is packaging material used as padding or bracing to protect products from damage during shipping. This material gives off moisture while in the packaging.*

Wood and Cellulose Products Weight	Synthetic Foams and Rubber Weight	Units Req. Desi Pak® or Sorb-It®
9.5 g	5.3 oz.	1/6
18.9 g	10.7 oz.	1/3
1 oz.	1 lb.	1/2
2 oz.	2 lb.	1
4 oz.	4 lb.	2
6 oz.	6 lb.	3
8 oz.	8 lb.	4
10 oz.	10 lb.	5
12 oz.	12 lb.	6
14 oz.	14 lb.	7
1 lb.	16 lb.	8
1.1 lb.	18 lb.	9
1.3 lb.	20 lb.	10
1.5 lb.	24 lb.	12
1.8 lb.	28 lb.	14
2.0 lb.	32 lb.	16
2.5 lb.	40 lb.	20
3.8 lb.	60 lb.	30
5.0 lb.	80 lb.	40
6.3 lb.	100 lb.	50
7.5 lb.	120 lb.	60
8.8 lb.	140 lb.	70
10 lb.	160 lb.	80