



Protect Your Products from Mildew, Moisture, and Corrosion!

For over fifty years, Beach Filter Products has specialized in the desiccant filtration of compressed air and gases. Sta-Dri pouches were developed by Beach

Ensure your products arrive the way they were made.

for use in shipping and storage of products to protect them from rust, corrosion and mildew. Thousands of Sta-Dri pouches have been used in the import/

export business to protect valuable cargo as well as warehoused products.

Sta-Dri consists of packaged desiccants (moisture-absorbants) in granular form. Packaged in 100% spunbonded polyester pouch of superb strength, Sta-Dri can be placed in shipping cartons to absorb moisture from the surrounding air.

Moisture vapor transmission is the migration of moisture vapor from areas of higher to lower concentration without the help of air current. As an example, a manufactured unit, wrapped in 60 sq. ft. of PVC film with a perm rating of 0.35, is packaged at 20% Relative Humidity (RH) without desiccant. A number of days of rain or days at sea during shipping would raise the inside RH to 95% just through vapor transmission. Most common forms of mildew grow between 59° and 95° F.

Controlled studies by the United States Military have shown that corrosion and growth of mildew are greatly reduced if the relative humidity is kept below 30% @ 77°F (25°C). Sta-Dri has been proven to be the most cost-effective method of accomplishing significant humidity reduction.

- **Completely safe, all material is inert**
- **Odorless and non-flammable**
- **Nontoxic and non-corrosive**
- **Remains free-flowing, even at full moisture vapor capacity**
- **Absorbs moisture on the surface and between layers**
- **No change in size, shape, or texture**



Beach or our authorized distributor would like to help in your final decision to determine the amount of desiccant required; however, the following equivalents will give you an idea of how many ounces are recommended and the calculations.

Beach STA-DRI Standard Sizes

PART #	WEIGHT	DIMENSIONS	AREA TO DRY
SD-4	4 oz	7" x 6"	3.32 Cubic Ft.
SD-8	8 oz	7" x 6"	6.64 Cubic Ft.
SD-16	16 oz	9" x 6"	13.29 Cubic Ft.
SD-32	32 oz	12" x 6"	26.56 Cubic Ft.
SD-64	64 oz	18" x 6"	53.12 Cubic Ft.

Sta-Dri: Moisture absorbent granules that protect your product from moisture.



Compare STA-DRI with Military Requirements and Silica Gel

Military Specifications Mil-D-3463E defines as a Unit: the amount of desiccant which will absorb at least 3 grams of water vapor @ 20%RH and 6 grams @ 40%RH with conditions at 25°C. The description goes on to include a time factor of seven hours to absorb .25 grams of water @ 40%RH and .70 grams @ 80%RH with conditions at 25°F. **A unit of the Beach product is one ounce (28.35 grams).**

STA-DRI exceeds Method II packaging performance standards described in Military Specifications Mil-P-116F, where the package is held below 40%RH for 18 months to 2 years.

STA-Dri controls moisture vapor in sealed, packaged products – thus assuring that components or end use products arrive at their destination in “Mint” condition.



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