

Industry Profiler:

Defense & Aviation

Products:

Desi View®



String Sewn Bags



Desiccant bags



Humidity Indicator Cards and Plugs



Aqua-Tector®



For more than 20 years, Süd-Chemie Performance Packaging, a business unit of Süd-Chemie Group, has designed desiccants, humidity indicators and water detectors to meet, and in some cases even surpass, the rigorous requirements of military specifications. Today, Süd-Chemie continues to provide dependable, effective, cutting-edge solutions to those in the government and aviation industries.

Desiccant Bags

Use Süd-Chemie's desiccant bags when goods in an enclosed package are in need of protection from moisture. Placed within a sealed package or container, desiccant bags will protect the goods from moisture's damaging effects.

Desiccant bags from Süd-Chemie meet military specification Mil-D-3464E (Mil Spec), and are classified as Type I (general use) and Type II (non-dusting). They also meet Method II Packaging Standards described in Mil-P-116-E, which covers the basic requirements of military packaging methods of preservation.

Süd-Chemie's bags are made with either DuPont Tyvek® or GDT-II materials, both of which are strong, durable and meet FDA requirements for direct contact with food and drugs. Süd-Chemie's desiccant bags are available in sizes ranging from 1/8 unit to 80 units (5½ grams to 2,640 grams), in a variety of fills. **Desi Pak®**, a packaged clay desiccant, is one of Süd-Chemie's most economical and effective options, ensuring that the contents of a sealed container will be in the same condition when they arrive as they were when they were packaged.

Süd-Chemie's full line of bags and packets includes:

Desi Pak®: Bentonite clay

Sorb-It®: Silica gel

Getter Pak®: Activated carbon

Tri-Sorb: Molecular sieve

2-in-1 Pak®: Silica gel or bentonite clay, with activated carbon

Desi View®: Bentonite clay, silica gel or molecular sieve, combined with blue indicating silica gel

Desiccant bags can ideally be used with Süd-Chemie's **Humitector® Humidity Indicator Cards**, which allow the products to be visually inspected to ensure that they remain at acceptable moisture levels.

String-Sewn Desiccant Bags

Süd-Chemie's string-sewn desiccant bags are ideal for protecting large items against rust, corrosion and other damaging effects of moisture. Made from high strength polyester rayon material, string-sewn bags can be hung from large equipment or placed within the storage or transport containers themselves.

Süd-Chemie's string-sewn desiccant bags meet military specification Mil-D-3464E (Mil Spec). Mil Spec bags are classified as Type I (general use), Type II (non-dusting) and Type III (durability). All three types are available from Süd-Chemie.

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Applications:



Equipment, cargo and vehicles are vulnerable to moisture damage during storage and shipping. Use Süd-Chemie's desiccant bags to prevent the rusting of metal parts or other damaging effects of moisture.



Süd-Chemie's Aqua-Tector® pads help ensure that jet fuel is safe for use by quantitatively determining the amount of water present in the fuel.



Humidity indicator plugs indicate humidity changes inside a sealed container. They are mounted through a container wall, so that the container does not need to be opened to check the humidity levels inside.

Desiccant bags can ideally be used with Süd-Chemie's **Humitector® Humidity Indicator Cards** to monitor humidity conditions.

Humidity Indicator Cards and Plugs

Süd-Chemie offers a wide range of humidity indicator cards and plugs that meet military specifications.

Cards

Süd-Chemie's humidity indicator cards meet Mil-I-8835 and Mil-P-116 Method II. Both reversible and irreversible cards are available, in a variety of configurations.

Plugs

Süd-Chemie's indicator plugs detect any change in relative humidity in a sealed package. The plugs are mounted through a container wall, allowing them to be read from outside the container. Humidity indicator plugs are adaptable to virtually all applications for Method II packaging of Mil-P-116 and AS26860 aerospace specifications and are available in a variety of sizes and configurations.

Aqua-Tector®

While jet fuel can dissolve a certain amount of water, the excessive presence of water can cause serious problems, such as the growth of micro-organisms and formation of ice crystals that can lead to a loss of engine power and even complete "flame out."

Because of these issues, commercial airlines and the military require that jet fuel be inspected for undissolved water before being transferred into the fuel tanks of their aircrafts. While traditional tests rely on visual inspection to determine the amount of haze in a jet fuel tank, Süd-Chemie's Aqua-Tector pads provide a reliable and simple option for *quantitatively* determining the amount of water present in jet fuel, ensuring that the fuel is safe for use every time.

Aqua-Tector pads fully comply with the requirements of ASTM D 3240-86A, which provides a "Standard Test Method for Undissolved Water in Aviation Turbine Fuels." Made of a special paper coated with uranine (disodium fluorescein), it provides clear and accurate readings for the water content in jet fuels and allows for quick decisions regarding the safety of the fuel. Water traces of 1 to 60 ppm can be detected.