



- A. Desiccant packs are used to absorb moisture from a given environment. They prevent objects within that environment from being affected by corrosion or mould growth.
- B. They are especially useful when used in conjunction with moisture barrier bags whenever moisture control is a critical factor in the packaging of electrostatic sensitive devices.
- C. They are supplied ready for use and do not require activating.
- D. If left outside a closed/sealed container for any length of time, eg: lying on a work bench, they will absorb all the moisture it can from the atmosphere and eventually will become saturated.
- E. When using desiccant packs they should be left in the sealed polybag as supplied until required for use. The polybag should only be opened to remove the packs required and then resealed as soon as possible. It is recommended that opened polybags are put into an airtight metal or plastic drum or pail.
- F. It is recommended that packs are left in the open atmosphere for not longer than 15 seconds.
- G. Desiccant packs are supplied in strong polybags in cartons. As long as polybags remain sealed the shelf life should be approximately 9 months.
- H. Meets Mil D-3464E, DIN5473A & B and Afnor 003211 requirements.
- I. Formula to calculate required weight of absorbent in gr: $W=11ARM$ where A = area in m^2 of bag, R=MVTR (Moisture Vapour Transmission Rate) of the barrier film in g/m^2 24h (at rH and temperature pertinent to your application) and M is maximum transit and storage time in months. Applies in temperate climates only.

“...it is important to take possible temperature exposure into account when shipping electronic parts. It is particularly important to consider what happens to the interior of a package if the environment has high humidity. If the temperature varies across the dew point of the established interior environment of the package, condensation may occur. The interior of a package should either contain desiccant or the air should be evacuated from the package during the sealing process. The package itself should have a low WVTR.” [CLC/TR 61340-5-2:2008 User guide Packaging clause 4.8.3.2.2 Temperature]

Item	Description
204514	Desiccant, 1/2 Unit (10g) 65 x 80mm, Pack Of 600
204516	Desiccant, 1 Unit (25g) 65 x 95mm, Pack of 300

Unless otherwise noted, tolerance \pm 10%

Specifications and procedure subject to change without notice.



Made in Britain

Vermason

Desiccant

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Drawing Number
204515

DATE:
March
2012

Material Safety Data

January 1, 2011

Chemical Family: Clay mineral
Calcium Aluminosilicate

Physical Data:

Appearance: Grey granules (Max. 6/7mm)

Melting point: n/a

Solubility in water: Insoluble

Bulk Density: 57-64lbs/cu.ft

Health Hazard Information

This product contains less than 2% crystalline quartz (CAS 14808-60-7) but is in granular form and packed in bags for use as a desiccant. Therefore, no exposure to quartz dust is anticipated under normal use conditions.

Ingestion: Large amount could cause intestinal disorders
If large amounts have been ingested, seek medical attention. Treat symptomatically. Milk and fatty acids should be avoided.

Inhalation: Prolonged inhalation may cause irritation to upper respiratory tract - lung damage.
Remove to fresh air immediately. Seek medical attention.

Contact with skin: Prolonged or repeated skin contact in the absence of proper hygiene may result in irritation.
Wash with soap and water. Seek medical attention, if irritation or inflammation develops.

Contact with eyes: Contact with eye tissue may result in irritation.
Irrigate eyes for a minimum of 15 minutes, lifting upper and lower eyelids occasionally. Seek prompt medical attention.

TWAs for Si O₂
CAS No. 14808-60-7
0.4mgm -3 (8 hours)

Fire & Explosion:

Fire & Explosion Hazard: Negligible
When exposed to heat, flame or reaction with incompatible substances.

Flash point: Non-flammable

Fire-fighting media: Water spray fog or foam are the preferred methods

Storage Precautions: Store in a dry place below 46°C away from a heat source. Keep in a tightly closed container. Protect container from physical damage Always reseal container and protective moisture barrier liner after use.

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