

SUPERDRYPAK™

DESICCANT SILICA GEL

Prepared according to EU No. 1907/2006 Annex II
as amended by No. 453/2010

Issue No. 03 Revision Date: 17th May 2011

[1] Product identification:

- 1.1 Product Identifier:** Silica Gel Sachets / Bags
1.2 Relevant Use: Moisture Scavenger and Drying Agent
1.3 Supplier: Baltimore Innovations Limited, Innovations House, Jacksons Business Park, Wessex Road, Bourne End, Bucks, SL8 5DT, UK
Website: www.baltimoreinnovations.co.uk
Email: safety@baltimoreinnovations.co.uk
Telephone: + 44 (0)1628 531900
Fax: + 44 (0)1628 531100
1.4 Emergency Telephone: + 44 (0)7713 505942

[2] Health Hazard Info:

- 2.1 Classification**
Not classified
2.2 Label Elements
None
2.3 Other Hazards
Not applicable

[3] Composition:

- 3.1 Substances**
Silica Gel Desiccant
CAS: 112926-00-8 amorphous silica
EINECS: 231-545-4 silica gel
Formula: SiO₂
3.2 The mixture contains:
Not applicable

[4] First Aid Measures: [CONTINUED PAGE 2]

4.1 Description of first aid measures

Inhalation: Seek fresh air. If symptoms persist, then consult a doctor.

Skin Contact: Wash immediately with soap & water, and remove effected clothing. If symptoms persist, then consult a doctor.

Eye Contact: Rinse immediately with copious water for 15 minutes holding the eyelids open. If symptoms persist, then consult a doctor.

Ingestion: Do not induce vomiting. If quantity ingested is high or if symptoms appear consult a doctor.

SUPERDRYPAK™

DESICCANT SILICA GEL

Prepared according to EU No. 1907/2006 Annex II as amended by No. 453/2010

[4] First Aid Measures: [CONTINUED FROM PAGE 1]

4.2 Important symptoms and effects, both acute and delayed

Inhalation: May cause irritation to the respiratory tract, and may be accompanied by coughing and chest discomfort.

Skin Contact: May cause irritation to the skin.

Eye Contact: May cause irritation to the eyes.

Ingestion: May cause irritation to mucus membranes.

4.3 Special treatment needed

If inhalation has occurred move the exposed person to fresh air and then consult a doctor for this, similarly for skin contact wash immediately with soap & water, eye contact rinse with copious water for 15 minutes and ingestion do not induce vomiting but if irritation continues for this or any of the other above symptoms persist consult a doctor.

[5] Fire Fighting Measures:

5.1 Extinguishing media

Use what is appropriate to the surrounding fire conditions.

5.2 Special hazards arising

None

5.3 Advise for fire fighters

You are advised to wear suitable respiratory equipment if necessary.

[6] Accidental Release Info:

6.1 Personal Precautions, protective equipment and emergency procedures

Do not inhale the dust. Use anti-dust mask with P2 particles filter

6.2 Environmental Precautions

Product Practically insoluble but inform local water authority if large quantity is in contact with water.

6.3 Methods and material for containment and cleaning up.

Mechanical collection of the material avoiding creating dust.

6.4 Reference to other sections

Not applicable

[7] Handling and storage:

7.1 Precautions for safe handling

Prevent formation of dust. Keep receptacles tightly sealed. Provide suction extractors if dust is formed. Any unavoidable deposit of dust must be regularly removed. Prevent static electric sparks.

7.2 Conditions for safe storage, including any incompatibilities

Store away from foodstuffs. Keep container tightly sealed. Store in dry conditions.

7.3 Specific end use

SUPERDRYPAK™

DESICCANT SILICA GEL

Prepared according to EU No. 1907/2006 Annex II as amended by No. 453/2010

[8] Personal Protection:

8.1 Control parameters

Components with exposure limits:

<u>Name</u>	<u>Exposure limits</u>	<u>Ref. To Standard</u>
Amorphous silica breathable dust	2,4 mg / m ³ in 8h	UK EH40/95
Amorphous silica total dust	6 mg / m ³ in 8h	UK EH 40/95
Silica gel	10 mg / m ³ in 8h	ACGIH

8.2 Exposure controls

Breathing Protection:	None required at atmospheric temperature.
Hand Protection:	Use chemical resistant gloves and barrier cream as a sensible precaution.
Eye Protection	Use protective glasses and goggles if hot.
Protective Equipment::	Wear protective clothing
Skin Protection:	Wear sensible industrial clothing wash regularly.

[9] Physical Properties:

9.1 Information on basic physical and chemical properties

(a) Appearance:	Granular or spherical form.
(b) Odour:	Odourless.
(c) Odour Threshold:	Not applicable
(d) pH:	3.5 – 7.0
(e) Melting Point:	Over 1000 C
(f) Initial boiling point & range:	Not applicable.
(g) Flash Point:	Not applicable.
(h) Evaporation Rate:	Not applicable
(i) Flammability:	Not applicable
(j) Explosive Limits:	Not applicable.
(k) Vapour Pressure:	Not applicable
(l) Vapour Density:	Not applicable
(m) Relative Density:	2.2 kg/dm ³ .
(n) Water Solubility:	less than 1.0% in weight
(o) Partition coefficient:	Not applicable
(p) Auto-Ignition Temperature:	Not applicable
(q) Decomposition Temperature:	Not applicable
(r) Viscosity @ 25deg C :	Not applicable
(s) Explosive Properties:	Not applicable
(t) Oxidising Properties:	Not applicable

9.2 Other Information

None Available

HEALTH & SAFETY SHEET

BALTIMORE
INNOVATIONS

SUPERDRYPAK™

DESICCANT SILICA GEL

Prepared according to EU No. 1907/2006 Annex II as amended by No. 453/2010

[10] Stability / Reactivity:

10.1 Reactivity Not applicable

10.2 Chemical Stability

Stable under normal conditions

10.3 Possibility of hazardous reactions Not applicable

10.4 Conditions to avoid

Humid air and high temperatures.

10.5 Incompatible materials

Hydrofluoric acid and other dangerous decomposition products

10.6 Hazardous decomposition products

Hygroscopic material.

[11] Toxicological info:

11.1 Information on toxicological effects

(a) Acute Toxicity:

May be harmful by ingestion, inhalation, or if in contact with skin. Ingestion may cause nausea and/or vomiting.

(b) Skin corrosion/irritation:

May cause skin irritation

(c) Serious eye damage/irritation:

May cause eye irritation

(d) Respiratory or skin sensitisation:

May cause irritation

(e) Germ cell mutagenicity:

Not applicable

(f) Carcinogenicity:

Not applicable

(g) Reproductive toxicity:

No data

(h) STOT- single exposure:

No data

(i) STOT- repeated exposure:

No data

(j) Aspiration hazard:

No data

[12] Ecological Info: [CONTINUED PAGE 5]

12.1 Toxicity Not applicable

12.2 Persistence and degradability Not applicable

12.3 Bioaccumulative potential Not applicable

12.4 Mobility in soil Not applicable

12.5 Results of PBT and vPvB assessment Not applicable

12.6 Other adverse effects Not applicable

[13] Disposal Considerations:

13.1 Waste treatment methods

Dispose of this material in accordance with local and national regulations. Do not allow product to enter into drains.

SUPERDRYPAK™

DESICCANT SILICA GEL

Prepared according to EU No. 1907/2006 Annex II as amended by No. 453/2010

[14] Transportation Information:

14.1 UN Number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	This product is not classified as dangerous for carriage.
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

[15] Regulatory Info:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Prepared according to (EC) No. 1907/2006/EC
(EC) No. 1272 / 2008

15.2 Chemical Safety Assessment

This product is classified as 'NSH' – No Significant Hazard.
Chemical Safety Assessment Report, has not been carried out.

[16] Other Information:

We hope the other information given here will be helpful. It is based on data and knowledge, which we believe to be true and accurate and is offered for your consideration, investigation and verification. Accordingly, save in the event of gross negligence or wilful misconduct of our agents and ourselves we will not be liable for any damages resulting from errors, omissions or non-compliance of the information set forth herein. Further, please read all statements, recommendations or suggestions in conjunction with our General Conditions of Delivery, Performance and Payment, which limit our liability with respect to all goods, supplied by us. Test methods are available on request.

END OF DATASHEET

APPROVED: TED VALENTINE

EFFECTIVE DATE: MAY 2011