



## SAFETY DATA SHEET

<b>EFFECTIVE DATE:</b>	May 29, 2015
<b>SDS NUMBER:</b>	M44

### SECTION 1 – PRODUCT AND COMPANY INFORMATION

**Product Name:** MiniPax®

**Product Use:** Moisture Absorbent

**Grades:** Silica gel, indicating

**Synonyms:** Desiccant

**Company:** Multisorb Technologies

**Address:** 325 Harlem Road  
Buffalo, NY 14224-1893 USA

**Telephone Number:** (716) 824 8900 [USA] Monday - Friday (8:00 - 5:00 EDT)

**Fax Number:** (716) 824 4091 [USA]

**Website / E-Mail :** www.multisorb.com

### SECTION 2 – HAZARD IDENTIFICATION

**Emergency Overview:**

The white polyethylene packet containing a blue granular material poses no hazard. There is no exposure to the contents of the packet. The silica gel is not combustible but the polyethylene packet is combustible. This product is an article. Not a hazardous substance or mixture according to the Global Harmonized System (GHS).

**GHS classification of the substance or mixture:** Not a hazardous substance or mixture

**GHS label elements, including precautionary statements:** None

**Hazardous not otherwise classified (HNOC) or not covered by GHS:** None

**Potential Health Effects:**

**Eyes:** None

**Skin:** None

**Ingestion:** Ingestion is unlikely, however, could cause blockage if it occurs. Get medical attention.

**Inhalation:** None

**Medical Effects Generally Aggravated by Exposure:** None

**Chronic Effects/Carcinogenicity:** None

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

COMPONENT NAME	CAS NUMBER	% BY WEIGHT	EC #	ANNEX #
A sealed polyester packet containing indicating silica gel. (this product is an article, there is no exposure to the contents)	-	100% for the combination	-	-
Synthetic amorphous precipitated silica gel (SiO <sub>2</sub> )	112926-00-8	85 - 95 %	231-545-4	Not Listed
Cobalt chloride	7646-79-9	.5 %	231-589-4	027-004-00-5
High density polyethylene fiber	9002-88-4	5% -15%	Not Listed	Not Listed
While this material is not classified as hazardous under GHS regulations, this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.				

**SECTION 4 – FIRST AID MEASURES**

*The following does not apply to the MiniPax® packet but applies if the MiniPax® is cut open and the person is exposed to the contents.*

**Eyes:** Rinse eyes well with water while lifting the eye lids. If irritation persists, consult a physician.

**Skin:** Wash affected area with soap and water.

**Ingestion:** Ingestion is unlikely, however, could cause blockage if it occurs. Get medical attention.

**Inhalation:** Not applicable

**Notes to Physician:** Not applicable

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flammable Properties:** Not flammable

**Flash Point:** Not applicable      **Method:** Not applicable

**Flammable Limits:** Not flammable

- **Lower Flammability Limit:** Not applicable
- **Upper Flammability Limit:** Not applicable

**Auto-ignition Temperature:** Not applicable

**Hazardous Combustion Products:** Not applicable

**Extinguishing Media:** Use extinguishing media that is appropriate for the surrounding fire.  
Silica gel is not combustible but the polyethylene packaging is combustible.

**Fire Fighting Instructions:** The silica gel is not combustible; however the polyethylene packaging is combustible.

**Unusual Fire and Explosion Hazards:** None

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill:** Sweep or vacuum up and place the spilled material in a waste disposal container.  
Wash with soap and water after handling. Refer to Section 8 for personal protective equipment.

**SECTION 7 – HANDLING AND STORAGE**

**Handling:** Minimize contact between the worker and the material.  
Practice good hygienic work practices.

**Storage:** Store in a cool, dry location. Keep in sealed containers away from moisture.  
The silica gel will readily adsorb moisture.

**Incompatibility:** Water, fluorine, oxygen difluoride, chlorine trifluoride

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Not applicable

**Respiratory Protection:** Not applicable

**Skin Protection:** Protective gloves

**Eye Protection:** Not applicable

EXPOSURE LIMITS			
COMPONENT NAME	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED LIMITS
A sealed polyester packet containing indicating silica gel	Not Applicable	Not Applicable	Not Applicable

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	A white packet containing a granular material	<b>VAPOR DENSITY:</b>	Not applicable
<b>ODOR:</b>	None	<b>BOILING POINT:</b>	Not applicable
<b>PHYSICAL STATE:</b>	Solid granule	<b>MELTING POINT:</b>	135° C (275° F)*
<b>PH:</b>	Not applicable	<b>SOLUBILITY:</b>	Insoluble in water
<b>VAPOR PRESSURE:</b>	Not applicable	<b>SPECIFIC GRAVITY:</b>	Not applicable
<b>FLAMMABLE:</b>	Not applicable	<b>AUTO-IGNITION POINT:</b>	Not applicable
<b>FLASH POINT:</b>	Not applicable	<b>FLAMMABLE LIMITS:</b>	Not applicable
<b>ODOR THRESHOLD:</b>	None	<b>EVAPORATION RATE:</b>	Not applicable
<b>PARTITION COEFFICIENT N-OCTANOL / WATER:</b>	Not applicable	<b>DECOMPOSITION TEMPERATURE:</b>	Not known
<b>VISCOSITY:</b>	Not applicable	* Polyethylene	

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to avoid:** Moisture and high humidity environments will reduce the desiccating capacity.

**Incompatibility:** Water, fluorine, oxygen difluoride, chlorine trifluoride

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not occur

**Reactivity:** None

**SECTION 11 – TOXICOLOGICAL INFORMATION**

*The following toxicological information refers to the contents of the packet.  
In normal use, there is no exposure to the contents.*

**IARC:** Amorphous silica gel IARC - 3 (Unclassifiable as to Carcinogenicity in Humans)  
Cobalt chloride IARC – 2B – (Possibly carcinogenic to humans)

**Animal Toxicology:** Tests for DOT Hazard classification  
(Tests Conducted on finely ground silica gel)

1 - hour LC50 (rat) > 2 mg / l

48 - hour oral LD50 (rat) est. > 31,600 mg / kg

48 - hour dermal LD50 (rabbit) est. > 2,000 mg / kg

Considered an ocular irritant

**Human Toxicology:** Silica gel is a synthetic amorphous silica not to be confused with crystalline silica. Epidemiological studies indicate low potential for adverse health effects. In the activated form, silica gel acts as a desiccant and can cause a drying irritation of the mucous membranes and skin in cases of severe exposure. Multisorb Technologies knows of no medical conditions that are abnormally aggravated by exposure to silica gel.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Environmental:** Not hazardous

**Ecotoxicity:** \*Freshwater Algae Data 72 hour EC50 Selenastrum capricomutum: 440mg / L

\* Freshwater Fish Species Data 96 hour LC50Brachydanio rerio: 5,000 mg / L (static)

\* Water Flea Data 48 hour EC50 Ceriodaphnia: 7,600 mg / L

\*Silica, amorphous

**Persistence and degradability:** Not available

**Bioaccumulative potential:** Not available

**Mobility in soil:** Not available

**Other adverse effects:** Not available

**SECTION 13 – DISPOSAL INFORMATION****Disposal Information:**

Materials of a hazardous nature that contact the product during normal use may be retained on the product. The user of the product must identify the hazards associated with the retained material in order to assess the waste disposal options. Dispose according to federal, state, provincial and local regulations.

**SECTION 14 – TRANSPORTATION INFORMATION**

**U.S. Department of Transportation Shipping Name:** Not classified as a hazardous material. Not regulated. Non dangerous per IATA-DG regulations.

**SECTION 15 – REGULATORY INFORMATION** (NOT MEANT TO BE ALL INCLUSIVE - SELECTED REGULATIONS REPRESENTED)

*The following regulatory information refers to the contents of the packet. In normal use, there is no exposure to the contents.*

**TSCA Listed:** Yes

**OSHA:** See section 8

**NIOSH:** See section 8

Animal tests conducted in 1976 - 1978. 18 month exposure at 15 mg / m<sup>3</sup> showed silica deposition in respiratory macrophages and lymph nodes, minimum lung impairment, no silicosis.

**ACGIH:** See section 8

**DOT:** Not classified as a hazardous material.

**SECTION 16 – OTHER INFORMATION****HMIS – HAZARDOUS MATERIALS IDENTIFICATION SYSTEM**

HMIS RATING	
Health:	1
Flammability:	0
Physical:	0

The HMIS rating information is intended solely for the use of individuals trained in the HMIS rating system.

The NPCA specifically recommends that preparers of SDS should not place HMIS PPE designation codes on the SDS or labels that leave the facility as it is not known the conditions under which the customer will use this product.

Date of Preparation: May 29, 2015

This data and recommendations presented in this data sheet concerning the use of our product and the materials contained therein are believed to be correct but does not purport to be all inclusive and shall be used only as a guide. However, the customer should determine the suitability of such materials for his purpose before adopting them on a commercial scale. Since the use of our products is beyond our control, no guarantee, expressed or implied is made, and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this data sheet are not to be construed as a license to operate under, or a recommendation to infringe any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.