



SAFETY DATA SHEET

EFFECTIVE DATE:	May 29, 2015
SDS NUMBER:	M42

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: MiniPax®

Product Use: Desiccant, absorbent

Grades: 4A molecular sieve

Synonyms: Synthetic zeolite

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:

White polyethylene packet containing a tan bead material that poses little or no immediate hazard. There is no exposure to the contents of the packet. The polyethylene packet is combustible. The 4A molecular sieve is not combustible. 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: Not a hazardous substance or mixture

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 ingested. 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 #
Sealed polyethylene packet containing 4A molecular sieve	-	100% for the combination	-	-
4A Molecular sieve	1318-02-1	85 – 95 %	930-915-9	Not Listed
High density polyethylene fiber	9002-88-4	5 – 15 %	Not Listed	Not Listed
<p>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.</p> <p>This SDS should be retained and available for employees and other users of this product.</p>				

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 ingested. Get medical attention.

Inhalation: Not applicable

Notes to Physician: When first wetted, molecular sieve will generate heat and can heat up to the boiling point of water. Flooding with water will reduce the temperature.

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.
The packaging is combustible. The molecular sieve is not combustible.

Fire Fighting Instructions: The packaging is combustible.

Unusual Fire and Explosion Hazards: Molecular sieve can generate heat when first wetted and can heat up to the boiling point of water. Flooding with water will reduce the temperature.

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 and odors. The molecular sieve will readily adsorb moisture.

Incompatibility: Water, acids

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Not applicable

Respiratory Protection: Not applicable

Skin Protection: Not applicable

Eye Protection: Not applicable

EXPOSURE LIMITS			
COMPONENT NAME	OSHA PEL	ACGIH TLV	OTHER RECOMMENDED LIMITS
A sealed polyethylene packet containing 4A molecular sieve	Not Applicable	Not Applicable	Not Applicable

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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

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.*

Animal Toxicology: Oral LD50 => 32,000 mg / kg (rat)*

Dermal LD50 => 2,000 mg / kg (rabbit)*

Inhalation LD50 no data available (rat)*

Skin rabbit not classified as a skin irritant in animal testing.*

Eye rabbit Moderate eye irritation*

* The toxicological data has been taken from products of similar composition to molecular sieve.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental: Molecular sieve is not known to have any adverse effect on the aquatic environment. Molecular sieve is insoluble and non toxic.

Ecotoxicity Not available

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:

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. 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

ACGIH: See section 8

DOT: Not classified as a hazardous material.

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

HMIS RATING	
Health:	0
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.