



BIOTECH SUPPORT GROUP

1 DEER PARK DRIVE, SUITE M, MONMOUTH JCT, NJ 08852 • (P) 732-274-2866 • (F) 732-274-2899  
[www.biotechsupportgroup.com](http://www.biotechsupportgroup.com)

### Material Safety Data Sheet

*Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.*

**U.S. Department of Labor**  
*Occupational Safety and Health  
Administration (Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072*

**IDENTITY** (As Used on Label and List)  
KinaSorb™ (Catalog Order # KE785-10, KE785-50)

#### **Section I**

<i>Manufacturer's Name</i> Biotech Support Group LLC	<i>Emergency Telephone Number</i> 732-274-2866
<i>Address (Number, Street, City, State, and Zip Code)</i> 1 Deer Park Drive, Suite M Monmouth Junction NJ 08852	<i>Telephone Number for Information</i> 732-274-2866
	<i>Date Prepared</i> April 15, 2014

#### **Section II- Hazardous Ingredients/Identity Information**

*Hazardous Components (Specific Chemical Identity; Common Names)*  
Aluminum Oxide in aqueous suspension in 0.1 M HEPES buffer, pH 7, with non-covalently immobilized Adenosine Triphosphate (ATP)

*OSHA regulations require that the powdered form (not the suspension) of Aluminum Oxide be listed as hazardous due to its listed TLV values. However, according to the Documentation of Threshold Limit Values and Biological Exposure indices, 6<sup>th</sup> edition: "The experimental and clinical data indicate that aluminum oxide acts as an "inert" material when inhaled and seems to have little effect on the lungs nor does it produce significant organic diseases or toxic effect when exposures are kept under reasonable control".*

#### **Section III- Physical/Chemical Characteristics**

<i>Boiling Point</i> Approx. 212 F	<i>Specific Gravity (H<sub>2</sub>O = 1)</i> No available information
<i>Vapor Pressure (mm Hg.)</i> na	<i>Melting Point</i> na
<i>Vapor Density (Air = 1)</i> na	<i>Evaporation Rate</i> na
<i>Solubility in Water</i> Dispersed solid-phase supplied in aqueous buffer	
<i>Appearance and Odor</i> Milky suspension	

#### **Section IV- Fire and Explosion Hazard Data**

<i>Flash Point (Method Used)</i> No available info.	<i>Flammable Limits</i> No available info.	<i>LEL</i>	<i>UEL</i>
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*Extinguishing Media*

Use media appropriate for surrounding conditions.

*Special Fire Fighting Procedures*

Use self-contained breathing apparatus if exposed to high levels of dust and smoke.

*Unusual Fire and Explosion Hazards* None

**Section V- Reactivity Data**

*Stable* X

*Incompatibility (Materials to Avoid)* No information

*Hazardous Decomposition or Byproducts* No information

*Hazardous*

*May Occur*

*Conditions to Avoid*

*Polymerization*

*Will Not Occur* X

**Section VII- Precautions for Safe Handling and Use**

*Steps to Be Taken in Case Material Is Released or Spilled*

In case product dust is released: Possible discomfort, cough, sneezing. Move to fresh air.

*Waste Disposal Method* Dispose in an authorized industrial landfill.

*Precautions to Be Taken in Handling and Storing* Store at 4°C

*Other Precautions*

**Section VIII- Control Measures**

*Respiratory Protection (Specify Type)*

*Ventilation*

*Local Exhaust* Yes

*Special*

*Mechanical (General)*

*Other*

*Protective Gloves* Use impermeable gloves

*Eye Protection* Safety Glasses

*Other Protective Clothing or Equipment*

*Work/Hygienic Practices* Handle in accordance with good industrial hygiene and safety practices.