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.

EFFECTIVE DATE: April 24, 2015

SECTION I  CHEMICAL PRODUCT & SUPPLIER’S IDENTIFICATION

Product Name: TOTALSORB®
Chemical Name: Expanded Amorphous Alumina Silicate

M² Polymer Technologies, Inc.
P.O. Box 365
West Dundee, IL 60118

Telephone Number for Information: 847/836-1393
Last Update: April 24, 2015

SECTION II  HAZARD IDENTIFICATION

Emergency Overview
The product contains crystalline silica (< 1%). OSHA considers minerals such as this to be a nuisance dust. Inhalation of high amounts of dust over long periods may overload lung clearance mechanisms and make the lungs more vulnerable to respiratory disease. Long term inhalation of crystalline silica dusts may cause silicosis (lung cancer). Crystalline silica has been classified as a probable human carcinogen (Group 2A) by IARC, a unit of the World Health Organization. The silica dusts have been classified a carcinogen by NTP and/or OSHA.

Potential Health Effects - Eyes
Dust may cause irritation (tears & Redness) if dust gets in eyes.

Potential Health Effects - Skin
Not absorbed by skin but may cause dryness if prolonged exposure.

Potential Health Effects - Ingestion
Ingestion of small to moderate quantities is not considered harmful but may cause irritation of the mouth, throat and stomach.

Potential Health Effects - Inhalation
Respirable dust exposure may cause respiratory tract & lung irritation and may aggravate existing respiratory conditions.

HMIS Ratings: Health 0 Fire 0 Reactivity 0
Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe *=Chronic Hazard

SECTION III  COMPOSITION / INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>93763-70-3</td>
<td>Expanded Amorphous Alumina Silicate</td>
<td>&gt; 99%</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Quartz (Crystalline Silica)</td>
<td>&lt; 1%</td>
</tr>
</tbody>
</table>

Component Information/Information on Non-Hazardous Components
This product may contain crystalline silica (quartz) at below detectable levels (<0.1%);
Quartz CAS No. 14808-60-7: TLV 0.1 mg/m³ (respirable)  
NIOSH 0.05 mg/m³ (respirable)  
OSHA PEL 0.1 mg/m³ (respirable)

SECTION IV  FIRST AID MEASURES

First Aid - Eyes
May cause irritation or inflammation. Flush eyes with copious quantities of water. If irritation persists, call a physician.

First Aid - Skin
Not absorbed by the skin. May cause dryness. Use moisture renewing lotions if dryness occurs.

First Aid - Ingestion
Non-toxic. However, if adverse symptoms appear, seek medical attention.

First Aid - Inhalation
Remove to fresh air. Blow nose to remove dust.
SECTION V  FIRE FIGHTING MEASURES

General Fire Hazards
Not flammable. No recognized fire hazards associated with the product.

Upper Flammable Limit (UFL):  NE
Lower Flammable Limit (LFL):  NE
Method Used:  None
Flash Point:  None
Flammability Classification:  None

Hazardous Combustion Products
None. Not flammable.

Extinguishing Media
Not applicable.

Fire Fighting Equipment/Instructions
Not applicable.

NFPA Ratings:  Health=0  Fire=0  Reactivity=0
Hazard Scale:  0=Minimal  1=Slight  2=Moderate  3=Serious  4=Severe

SECTION VI  ACCIDENTAL RELEASE MEASURES

Containment Procedures
Vacuum dust with equipment fitted with HEPA filter. Use dust suppressant such as water if sweeping is necessary.

Clean Up Procedures
Waste residual may be flushed down a drain with water for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in any approved solid waste landfill.

Evacuation Procedures
None required.

Special Procedures
Avoid respirable dust. Wear a nuisance style dust mask if dusty conditions occur.

SECTION VII  HANDLING AND STORAGE

Handling Procedures
Minimize dust generation. Avoid contact with the eyes. Avoid breathing dust. Repair or dispose of any broken bags.

Storage Procedures
Store in a dry place to maintain package integrity and product quality. Do not store near Hydrofluoric Acid (HF).

SECTION VIII  EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
I. General Product Information
The product is not regulated as a hazardous material. Use adequate ventilation and appropriate exhaust to keep dust level below PEL.

II. Component Exposure Limits
None.

Engineering Controls
None required.

Personal Protective Equipment – Eyes & Face
Goggles to protect from dust.

Personal Protective Equipment – Skin
None required.

Personal Protective Equipment – Respiratory
None normally required. Wear a nuisance style dust mask if dusty conditions result.

Personal Protective Equipment – General
Follow normal safety precautions and maintain good housekeeping. Wash thoroughly after handling.
SECTION IX  PHYSICAL & CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White granules or powder</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Not soluble</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>6-9</td>
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<tr>
<td>Vapor Density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

SECTION X  CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical Stability
Product is stable.

Chemical Stability: Conditions to Avoid
None

Incompatibility
Reacts with Hydrofluoric Acid to form Silicon Tetrafluoride gas.

Hazardous Decomposition
None

Hazardous Polymerization
Will not occur

SECTION XI  TOXICOLOGICAL INFORMATION

General Product Information
Product is a naturally occurring volcanic glass consisting of fused Sodium-Potassium-Alumina Silicates. Tests on the product have not shown crystalline silica as being present above the detection limit (0.05%). Despite this, dust levels should be maintained below the OSHA Permissible Exposure Limit (PEL) and respirators used when airborne dust is present.

OSHA formerly regulated these types of minerals under its generic total particulate limit of 15 mg/m³. The ACGIH has a TLV-TWA of 10 mg/m³ as total dust containing less than 1 percent quartz. The proposed PELs were 10 mg/m³ (total particulate) and 5 mg/m³ TWA (respirable particulate); however, the final rule retains the 15-mg/m³ TWA PEL as total particulate containing less than 1 percent quartz. The respirable fraction limit of 5 mg/m³ is also retained.

Carcinogenicity
None with the general product.

Component Carcinogenicity
Inhalation of the respirable dust portion may cause silicosis after extended, long-term exposure.

Chronic Toxicity
None.

Mutagenicity
None.

SECTION XII  ECOLOGICAL INFORMATION

Ecotoxicity
Generally considered inert. No negative ecological effects and the product may be used as a soil amendment.

Component Analysis – Ecotoxicity & Aquatic Toxicity
Nontoxic

Environmental Fate
Not water soluble and nonbiodegradable.

SECTION XIII  DISPOSAL CONSIDERATIONS

US EPA Waste Number & Descriptions
General Product Information
Product is non-hazardous waste material suitable for approved solid waste landfills.

Component Waste Numbers
No EPA Waste Numbers are applicable for this product’s components

Disposal Instructions
Dispose of in accordance with Local, State and Federal regulations.

Page 3 of 4 (SDS TOTALSORB®)
SECTION XIV  TRANSPORTATION INFORMATION

International Transportation Regulations
The product is not transport regulated.

SECTION XV  REGULATORY INFORMATION

U.S. Federal Regulations
General Product Information
The product is not Federally regulated as a hazardous material.
Clean Air Act
No information available.
Component Analysis
No information available.
Food & Drug Administration
Not regulated by FDA.
SERA
Not listed.
TSCA
Not listed.

State Regulations
General Product Information
The product is not regulated by any State as a hazardous material.
Component Analysis - State
None of the components are listed on State lists from CA, FL, MA, MN, NJ or PA.
Component Analysis – WHMIS IDL
None of the components are listed in the WHMIS IDL.
Component Analysis - Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expanded Amorphous Alumina Silicate</td>
<td>93763-70-3</td>
<td>NO</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Quartz (Crystalline Silica)</td>
<td>14808-60-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION XVI  OTHER INFORMATION

Other Information
The information presented in this document is presented in good faith and is believed to be accurate as to the effective date given. However, no warranty, expressed or implied is given. It is the buy’s responsibility to ensure that its activities comply with Federal, State or provincial and local laws.