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: January 10, 2014

SECTION I CHEMICAL PRODUCT & SUPPLIER’S IDENTIFICATION

Product Name: Waste Lock® A100
Chemical Name: Sodium Polyacrylate, Crosslinked

M² Polymer Technologies, Inc.
P.O. Box 365 Telephone Number for Information: 847/836-1393
West Dundee, IL 60118 Last Update: May 1, 2019

SECTION II HAZARD IDENTIFICATION

Component Information/Information on Non-Hazardous Components
The components of this product are not regulated as hazardous under 29 CFR and 49 CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. See Sections 8, 11, 14 and 15 for further information.

Emergency Overview
Sodium polyacrylate is a white, granular, odorless polymer that forms a gel-like material with water. It is insoluble in water and causes slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. An eight-hour exposure limit of 0.05 mg/m³ is recommended.

Potential Health Effects - Eyes
Dust may cause burning, drying, itching and other discomfort resulting in reddening of the eyes.

Potential Health Effects - Skin
Dust exposure, such as in manufacturing, may aggravate existing skin conditions due to drying.

Potential Health Effects - Ingestion
Not a likely route of entry. Tests show that polyacrylate absorbents are non-toxic if ingested. However, as in the instance of any non-food consumption, seek medical attention in the event of any adverse symptoms.

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

HMIS Ratings: Health 1 Fire 1 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>09003-04-7</td>
<td>Sodium polyacrylate</td>
<td>&gt;99 %</td>
</tr>
<tr>
<td>Not Available</td>
<td>Post Treated – Trade Secret</td>
<td>&lt; 0.5 %</td>
</tr>
</tbody>
</table>

SECTION IV FIRST AID MEASURES

First Aid - Eyes
Immediately flush eyes with water for at least 15 minutes.

First Aid - Skin
Remove polyacrylate absorbent dust from skin using soap and water.

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

First Aid - Inhalation
If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.
SECTION V  FIRE FIGHTING MEASURES

General Fire Hazards
No recognized fire hazards associated with the product.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper Flammable Limit (UFL):</td>
<td>NE</td>
</tr>
<tr>
<td>Lower Flammable Limit (LFL):</td>
<td>NE</td>
</tr>
<tr>
<td>Method Used:</td>
<td>None</td>
</tr>
<tr>
<td>Flash Point:</td>
<td>None</td>
</tr>
<tr>
<td>Flammability Classification:</td>
<td>None</td>
</tr>
</tbody>
</table>

Hazardous Combustion Products
None known.

Extinguishing Media
Dry chemical, foam, carbon dioxide, water fog. Slippery conditions are created if spilled products comes in contact with water.

Fire Fighting Equipment/Instructions
Firefighters should wear full protective clothing including self contained breathing apparatus,

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

SECTION VI  ACCIDENTAL RELEASE MEASURES

Containment Procedures
Sweep or vacuum material when possible and shovel into a waste container.

Clean Up Procedures
Use caution if product comes in contact with water as slippery conditions may result. 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
Handle as an eye and respiratory tract irritant.

Storage Procedures
Store in a dry, closed container.

SECTION VIII  EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

I. General Product Information
The product is not regulated as a hazardous material. There is however a potential for respiratory tract irritation and an eight-hour exposure limit of 0.05 mg/m³ is recommended.

II. Component Exposure Limits
No information is available.

Engineering Controls
Provide local exhaust ventilation to maintain exposure to < 0.05 mg/m³ over eight hours.

Personal Protective Equipment – Eyes & Face
Safety glasses with side shields or goggles.

Personal Protective Equipment – Skin
Use impervious gloves when handling the product in a manufacturing environment.

Personal Protective Equipment – Respiratory
Wear a nuisance style dust mask for mild dusty conditions or a high efficiency filter if particulate concentrations exceed 0.05 mg/m³.

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 granular powder</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;10 mm Hg</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N.A.</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Not soluble</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt; 1.0</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>5.5 to 6.5 (1% in water)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N.E.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&gt; 390°F (&gt; 199° C)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.4 to 0.7 g/cc</td>
</tr>
</tbody>
</table>

SECTION X  CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical Stability
Product is stable.

Chemical Stability: Conditions to Avoid
None

Incompatibility
None

Hazardous Decomposition
None

Hazardous Polymerization
None

SECTION XI  TOXICOLOGICAL INFORMATION

General Product Information
Acute inhalation of respirable dust may cause irritation of upper respiratory tract and lungs.

Acute Toxicity – LD50/LC50
Sodium polyacrylate (CAS 09003-04-7)
LD50: Oral Rat > 5000 grams/kilogram

Carcinogenicity
None

Component Carcinogenicity
No information is available.

Chronic Toxicity
Chronic exposure to rats for a two-year lifetime using Sodium Polyacrylate that had been micronized to a respirable size (< 10 µm) produced non-specific inflammation and chronic lung injury at 0.2 mg/m³ and 0.8 mg/m³. Also at 0.8 mg/m³, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m³.

Mutagenicity
Sodium polyacrylate had no effect in mutagenicity tests.

SECTION XII  ECOLOGICAL INFORMATION

Ecotoxicity
General Product Information
Composted polyacrylate absorbents are nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

Component Analysis – Ecotoxicity & Aquatic Toxicity
No information available

Environmental Fate
Polyacrylate absorbents are largely inert in aerobic and anaerobic conditions. They are immobile in landfills and soils systems with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental drain disposal of small quantities of polyacrylate absorbents will not affect the performance of wastewater treatment systems.

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.

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
Code of Federal Regulations (CFR) references the following regulated components:
Sodium Polyacrylate (CAS 09003-04-7)
  Direct Food Additives: 173.73, 173.310
  Indirect Food Additives: 175.105

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>Sodium Polyacrylate</td>
<td>09003-04-7</td>
<td>Yes</td>
<td>DSL</td>
<td>No</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 buyer’s responsibility to ensure that its activities comply with Federal, State or provincial and local laws.