Super Absorbent Laminate 40 Polymer
SDS Preparation Date (mm/dd/yyyy): 04/13/2016

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SECTION 1. IDENTIFICATION

Product identifier used on the label:
: Super Absorbent Laminate 40 Polymer

Product Code(s):
: Not available.

Recommended use of the chemical and restrictions on use:
: Not available.
  Use pattern: Professional Use Only
  Restriction on use: None known

Chemical family:
: Mixture.

Name, address, and telephone number of the supplier:
Safetec of America, Inc.
887 Kensington Avenue
Buffalo, NY, USA
14215
Supplier’s Telephone #:
: 716-895-1822

Name, address, and telephone number of the manufacturer:
Refer to supplier

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical
The Superabsorbent (Polyacrylate) polymer granules bonded between two cellulose or a variety of non-woven sheets.

This material is not classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

This product is considered to be a 'manufactured article'.

Label elements

Signal Word
: None required.

Hazard statement(s)
: None required.

Precautionary statement(s)
: None required.

Other hazards
Other hazards which do not result in classification: None expected, when used as intended.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS #</th>
<th>Concentration (% by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>N/Av</td>
<td>9003-04-7</td>
<td>20.0 - 84.0</td>
</tr>
<tr>
<td>Cellulose</td>
<td>Hydroxycellulose</td>
<td>9004-34-6</td>
<td>16.0 - 80.0</td>
</tr>
</tbody>
</table>

*This article contains these materials but under normal conditions of use, it would not present a physical hazard or health risk to individuals.*
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SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion: If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. Do not induce vomiting.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor if you feel unwell.

Skin contact: If on skin: Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

The ingredients listed in Section 3 are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Super Absorbent Laminate does not pose a fire hazard, however normal fires can be extinguished using water mist, CO2, or Dry Chemical (AB, BC, ABC) extinguishers.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

Although Super Absorbent Laminate poses not fire-related hazards, a self-contained breathing apparatus is recommended to limit exposure to combustion products when fighting any fire.

Flammability classification (OSHA 29 CFR 1910.106)

Not classified as flammable.

Hazardous combustion products

Carbon oxides

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters: Firefighter should wear full protective clothing including self contained breathing apparatus.

Special fire-fighting procedures: Wear self-contained breathing apparatus with full face-mask and fire-fighter protective clothing when fighting fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not get in eyes, on skin, or on clothing.

Protective Equipment: Wear appropriate personal protective equipment (PPE). If wearing eye contact while using this product is anticipated, wear ANSI Z87 approved googles or safety glasses. Consider using chemical resistant gloves (such as nitrile or neoprene) and protective clothing to minimize skin contact.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

Methods and material for containment and cleaning up

Collect dry material using a scoop. Scrape up wet material and place in an appropriate container. Allow the material to dry before disposing.
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Special spill response procedures

In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and before leaving work.

Conditions for safe storage

Super Absorbent Laminate should be stored in a dry, cool and well-ventilated area.

Incompatible materials

Strong acids, bases and oxidizing or reducing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV TWA</th>
<th>STEL</th>
<th>OSHA PEL PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>10 mg/m³ (Total particulate); 5 mg/m³ (Respirable fraction)</td>
<td>N/Av</td>
<td>15 mg/m³ (Total particulate); 5 mg/m³ 8hours (Respirable fraction)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Cellulose</td>
<td>10 mg/m³ (Total particulate)</td>
<td>N/Av</td>
<td>15 mg/m³ (Total particulate); 5 mg/m³ (Respirable fraction)</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

Exposure controls

Ventilation and engineering measures

Use sufficient local exhaust ventilation, or other engineering controls as necessary. General ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Respiratory protection

If it is not possible to reduce airborne exposure levels to below the OSHA PEL with ventilation, a NIOSH-approved air purifying respirator with HEPA filters or a NIOSH-approved dust respirator should be used.

Skin protection

Chemical-resistant gloves are recommended but not required.

Eye / face protection

Under normal conditions, wear safety glasses with side shields or safety goggles that meet the ANSI Z87.1 standard.

Other protective equipment

Personal Protective Equipment: To avoid exposures wear ANSI-approved eye protection and chemical resistance gloves. Protective Clothing: Wear long pants and long-sleeved shirts while working with the material. Consider wearing chemical protective clothing.

General hygiene considerations

None reported by the manufacturer.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

The Superabsorbent (Polyacrylate) polymer granules bonded between two cellulose or a variety of non-woven sheets.

Odour

None.

Odour threshold

Not determined.

pH

Not applicable.

Melting/Freezing point

Not applicable.
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Initial boiling point and boiling range

Flash point
Flashpoint (Method)
Evaporation rate (BuAe = 1)
Flammability (solid, gas)
Lower flammable limit (% by vol.)
Upper flammable limit (% by vol.)
Oxidizing properties
Explosive properties
Vapour pressure
Vapour density
Relative density / Specific gravity
Solubility in water
Other solubility(ies)
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
Auto-ignition temperature
Decomposition temperature
Viscosity
Vapour pressure
Vapour density
Relative density / Specific gravity
Not applicable.

SECTION 10. STABILITY AND REACTIVITY

Reactivity
Chemical stability
Possibility of hazardous reactions
Conditions to avoid
Incompatible materials
Hazardous decomposition products

This product is not reactive.
Stable under normal conditions.
Hazardous polymerization does not occur.
Releasing dust. Direct sunlight. Extremely high or low temperatures.
Incompatible materials (see Section 7).
See Section 5 (Fire Fighting Measures).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation
Routes of entry skin & eye
Routes of entry Ingestion

YES
YES
YES
Safetec of America, Inc.
887 Kensington Avenue
Buffalo, NY, USA, 14215
Telephone: (716) 895 1822

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Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation
: None expected, when used as intended.

Sign and symptoms ingestion
: None expected, when used as intended.

Sign and symptoms skin
: None expected, when used as intended.

Sign and symptoms eyes
: None expected, when used as intended.

Potential Chronic Health Effects

Mutagenicity
: Not expected to be mutagenic.

Carcinogenicity
: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity
: This product is not expected to cause reproductive effects.

Sensitization to material
: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects
: The substance or mixture is not classified as specific target organ toxicant, single exposure. The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Medical conditions aggravated by overexposure
: None known or reported by the manufacturer.

Synergistic materials
: None known.

Toxicological data
: See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LC50(4hr) inh, rat</th>
<th>LD50 (Oral, rat)</th>
<th>LD50 (Rabbit, dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>N/Av</td>
<td>&gt; 8250 mg/kg</td>
<td>N/Av</td>
</tr>
<tr>
<td>Cellulose</td>
<td>&gt; 5800 mg/m³ 4 hours</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
</tr>
</tbody>
</table>

Other important toxicological hazards
: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
: No recognized unusual toxicity to plants or animals.

Ecotoxicity data:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>LC50 / 96h</td>
</tr>
<tr>
<td>Sodium polyacrylate</td>
<td>9003-04-7</td>
<td>N/Av</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>N/Av</td>
</tr>
</tbody>
</table>
**SAFETY DATA SHEET**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Daphnia</th>
<th>Toxicity to Algae</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 48h</td>
<td>NOEC / 21 day</td>
</tr>
<tr>
<td>Sodium polyacrylate</td>
<td>9003-04-7</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

### Persistence and degradability
- No data is available on the product itself.

### Bioaccumulation potential
- No data is available on the product itself.

<table>
<thead>
<tr>
<th>Components</th>
<th>Partition coefficient n-octanol/water (log Kow)</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate (CAS 9003-04-7)</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td>Cellulose (CAS 9004-34-6)</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

### Mobility in soil
- No data is available on the product itself.

### Other Adverse Environmental effects
- No data is available on the product itself.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal**: Do not discharge into waterways or sewer systems without proper authorization.

**Methods of Disposal**: Dispose of in accordance with federal, state and local regulations.

**RCRA**: None listed.

### SECTION 14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>49CFR/DOT</td>
<td>None.</td>
<td>Not regulated.</td>
<td>not regulated</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>49CFR/DOT Additional information</td>
<td>None.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>None.</td>
<td>Not regulated.</td>
<td>not regulated</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA Additional information</td>
<td>None.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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IMDG
None. | Not regulated. | not regulated | none
None.

Special precautions for user: None known or reported by the manufacturer.

Environmental hazards: See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:
Components listed below are present on the following U.S. Federal chemical lists:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>TSCA Inventory</th>
<th>CERCLA Reportable Quantity(RQ) (40 CFR 117.302):</th>
<th>SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:</th>
<th>SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical Toxic Chemical de minimus Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>9003-04-7</td>
<td>Yes</td>
<td>N/Ap</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>Yes</td>
<td>N/Ap</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: None.

US State Right to Know Laws:
The following chemicals are specifically listed by individual States:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>California Proposition 65 Listed</th>
<th>State “Right to Know” Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>9003-04-7</td>
<td>No</td>
<td>CA No MA No MN No NJ No PA No RI No</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>No</td>
<td>CA Yes MA Yes MN Yes NJ Yes PA Yes RI Yes</td>
</tr>
</tbody>
</table>

Canadian Information:
WHMIS Classification: See Section 2.

International Information:
Components listed below are present on the following International Inventory list:
### SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>European EINECs</th>
<th>Australia AICS</th>
<th>Philippines PICCS</th>
<th>Japan ENCS</th>
<th>Korea KECl/KECL</th>
<th>China IECSC</th>
<th>NewZealand IOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium polyacrylate</td>
<td>9003-04-7</td>
<td>No data available.</td>
<td>Present</td>
<td>Present</td>
<td>No data available.</td>
<td>No data available.</td>
<td>Present</td>
<td>No data available.</td>
</tr>
<tr>
<td>Cellulose</td>
<td>9004-34-6</td>
<td>Present</td>
<td>Present</td>
<td>(5)-6960</td>
<td>KE-05339</td>
<td>Present</td>
<td>May be used as a single component chemical under an appropriate group standard</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 16. OTHER INFORMATION

**Legend**

- ACGIH: American Conference of Governmental Industrial Hygienists
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- DOT: Department of Transportation
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- MN: Minnesota
- MSHA: Mine Safety and Health Administration
- N/A: Not Applicable
- N/A: Not Available
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania
- PEL: Permissible exposure limit
- RCRA: Resource Conservation and Recovery Act
- RI: Rhode Island
- RTECS: Registry of Toxic Effects of Chemical Substances
- SARA: Superfund Amendments and Reauthorization Act
- STEL: Short Term Exposure Limit
- TCC: Tagliabue Closed Cup
- TDG: Canadian Transportation of Dangerous Goods Act & Regulations
- TLV: Threshold Limit Values
- TWA: Time Weighted Average
- TSCA: Toxic Substance Control Act
- WHMIS: Workplace Hazardous Materials Identification System

**References**

- Not available.

**Preparation Date (mm/dd/yyyy)**

- 04/13/2016

**Other special considerations for handling**

- Provide adequate information, instruction and training for operators.
SAFETY DATA SHEET

Prepared for:
Safetec of America, Inc.
887 Kensington Avenue
Buffalo, NY, USA, 14215
Telephone: (716) 895 1822

Prepared by:
ICC The Compliance Center Inc.
Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)
http://www.thecompliancecenter.com

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