Section 1: Identification

Trade Name: Polyvinyl Alcohol, copolymer
Synonyms: Polyvinyl alcohol, PVA
Company: Soapgoods Inc
Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093
Phone: (404) 924-9080
E-Mail: wecare@soapgoods.com
Emergency Phone: Chemtrec 1 800 424 9300

Section 2: Hazard(s) Identification

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Combustible Dust
GHS Label Elements
Symbol(s)
None needed according to classification criteria
Signal Word
Warning
Hazard Statement(s)
May form combustible dust concentrations in air
Precautionary Statement(s)
Prevention
None needed according to classification criteria
Response
None needed according to classification criteria
Storage
None needed according to classification criteria
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>% Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>25213-24-5</td>
<td>Acetic acid ethenyl ester polymer with ethenol</td>
<td>&gt; 91</td>
</tr>
</tbody>
</table>
Section 4: First-Aid Measures

Description of Necessary Measures
Wash thoroughly after handling. Avoid breathing dust. Use only outdoors or in a well-ventilated area.

Inhalation
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin
Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

Eyes
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.

Ingestion
If a large amount is swallowed, get medical attention.

Indication of any immediate medical attention and special treatment needed
Treat symptomatically and supportively.

Most Important Symptoms/Effects

Acute
No information on significant adverse effects.

Delayed
No information on significant adverse effects.

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media
carbon dioxide, regular dry chemical, alcohol-resistant foam, water spray.

Unsuitable Extinguishing Media
Do not scatter spilled material with high-pressure water streams.

Special Hazards Arising from the Chemical
Combustible Dust. Dust/air mixtures may ignite or explode. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products
oxides of carbon.
Special Protective Equipment and Precautions for Firefighters
Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

Fire Fighting Measures
Avoid inhalation of material or combustion by-products. Move material from fire area if it can be done without risk. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

**Section 6: Accidental Release Measures**

Personal Precautions, Protective Equipment and Emergency Procedures
Avoid contact with skin and eyes. Do not breathe dust. Keep unnecessary people away, isolate hazard area and deny entry. The mixture is slippery when wet.

Methods and Materials for Containment and Cleaning Up
Avoid generation of dust. Collect spilled material in appropriate container for disposal. Dispose of contents/container in accordance with local/regional/national/international regulations.

Environmental Precautions
Avoid generation of dust. Remove all sources of ignition. Ventilate affected area. Discharge into the environment must be avoided.

**Section 7: Handling and Storage**

Precautions for Safe Handling
Use methods to minimize dust. Minimize dust generation and accumulation. Use this material with adequate ventilation. Keep container tightly closed. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Conditions for Safe Storage, Including any Incompatibilities
None needed according to classification criteria

Store at room temperature. Store in original container. Stacking height must not exceed three pallets.

Incompatible Materials
reactive metals, oxidizing agents, peroxides, perchlorates, nitrates.

**Section 8: Exposure Controls/Personal Protection**

Component Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>ACGIH Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid ethenyl ester polymer with etenol</td>
<td>25213-24-5</td>
<td>10 mg/m3 TWA inhalable particles, recommended; 3 mg/m3 TWA respirable particles, recommended (related to Particulates not otherwise</td>
</tr>
</tbody>
</table>
OSHA (US): 15 mg/m^3 TWA total dust; 5 mg/m^3 TWA respirable fraction (related to Particulates not otherwise classified (PNOC))

15 mppcf TWA respirable fraction; 5 mg/m^3 TWA respirable fraction; 50 mppcf TWA total dust; 15 mg/m^3 TWA total dust (related to Particulates not otherwise classified (PNOC))

Methyl alcohol 67-56-1
ACGIH: 200 ppm TWA
250 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH: 200 ppm TWA; 260 mg/m^3 TWA
250 ppm STEL; 325 mg/m^3 STEL
Potential for dermal absorption
6000 ppm IDLH
Europe: 200 ppm TWA; 260 mg/m^3 TWA
Possibility of significant uptake through the skin
OSHA (US): 200 ppm TWA; 260 mg/m^3 TWA
Mexico: 200 ppm TWA LMPE-PPT; 260 mg/m^3 TWA LMPE-PPT
250 ppm STEL [LMPE-CT]; 310 mg/m^3 STEL [LMPE-CT]
Skin - potential for cutaneous absorption

Biological limit value
There are no biological limit values for any of this product's components.

Engineering Controls
Provide local exhaust ventilation system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Individual Protection Measures, such as Personal Protective Equipment
Eye/face protection
Wear safety glasses.
Skin Protection
Wear appropriate chemical resistant clothing.
Respiratory Protection
A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Section 9: Physical and Chemical Properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>granular powder</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>odorless</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Melting Point</strong></td>
<td>230 - 240 °C</td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Range</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Minimum Dust Cloud Ignition Temperature: 280°C</td>
</tr>
<tr>
<td><strong>Autoignition</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Lower Explosive Limit</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Upper Explosive Limit</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Vapor Density (air=1)</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>Soluble in hot water</td>
</tr>
<tr>
<td><strong>Partition coefficient: noctanol/water</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Bulk Density</strong></td>
<td>0.61 - 0.67 g.cm³ at 20 °C hPa</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Section 10: Stability and Reactivity**

**Reactivity**
No hazard expected.

**Chemical Stability**
Stable under normal conditions of use.

**Possibility of Hazardous Reactions**
Hazardous polymerization will not occur.

**Conditions to Avoid**
Avoid generating dust. Avoid contact with incompatible materials.

**Incompatible Materials**
reactive metals, oxidizing agents, peroxides, perchlorates, nitrates.

Hazardous decomposition products
Section 11: Toxicological Information

Information on Likely Routes of Exposure

Inhalation
No information on significant adverse effects.

Skin Contact
No information on significant adverse effects.

Eye Contact
No information on significant adverse effects.

Ingestion
No information on significant adverse effects.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50
The components of this material have been reviewed in various sources and the following selected endpoints are published:
Methyl alcohol (67-56-1)
Oral LD50 Rat 6200 mg/kg
Inhalation LC50 Rat 22500 ppm 8 h

Immediate Effects
No information on significant adverse effects.

Delayed Effects
No information on significant adverse effects.

Irritation/Corrosivity Data
May cause mechanical irritation.

Respiratory Sensitization
No data available.

Dermal Sensitization
No data available.

Germ Cell Mutagenicity
No data available.

Reproductive Toxicity
No hazard expected. See information on methanol.

Specific Target Organ Toxicity - Single Exposure
None known.

Specific Target Organ Toxicity - Repeated Exposure
None known.

Aspiration hazard
No data available.
Section 12: Ecological Information

Component Analysis - Aquatic Toxicity

Acetic acid ethenyl ester polymer with ethenol

Fish:
- LC50 96 hours Lepomis macrochirus (Bluegill sunfish) 10 g/L; LC50 96 hours Pimephales promelas (Fathead minnow) 40 g/L

Invertebrate:
- EC50 48 hours Daphnia magna 8300 mg/L

Methyl alcohol

Fish:
- LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through]

Bioaccumulative Potential
Low.

Biodegradation
90%

Chemical Oxygen Demand (COD)
Ca. 1700 mgO2/g

Section 13: Disposal Considerations

Disposal Methods
Dispose of contents/container in accordance with local/regional/national/international regulations. Product is not an EPA hazardous waste.

Section 14: Transport Information

US DOT Information:
UN/NA #: Not Regulated

TDG Information:
UN#: Not Regulated

IATA Information:
No Classification assigned.
Section 15: Regulatory Information

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Methyl alcohol 67-56-1
SARA 313: 1 % de minimis concentration
CERCLA: 5000 lb final RQ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: No Chronic Health: No Fire: No Pressure: No Reactivity: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl alcohol</td>
<td>67-56-1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</table>

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Methyl alcohol 67-56-1
Repro/Dev. Tox developmental toxicity, 3/16/2012

Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Methyl alcohol 67-56-1
1 %

WHMIS Classification
Component Analysis - Inventory

Acetic acid ethenyl ester polymer with ethenol (25213-24-5)

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<tbody>
<tr>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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</tbody>
</table>

Methyl alcohol (67-56-1)

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</table>

Section 16: Other Information

Disclaimer

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Review Date: September 2017