AVM Industries, Inc.  
Safety Data Sheet (SDS)

By GPL-16  
(Green Polyolifin Liner, 16 Mils Thick)

09/09/2015

1. PRODUCT IDENTIFICATION
Product Name: AVM GPL-16  
Product Code: GPL-16  
Chemical Family: Polyethylene Compounds  
Chemical Name: Not Applicable  
CAS No: Proprietary, XF Film, VF Film, Cross Laminated PE Film, Spiral Cut PE Film, GPL-16, GPL-16SF, GPL-16DF.  
Synonyms: Proprietary  
Formula: Proprietary  
Technical Information: (818) 888-0050

2. PRODUCT INGREDIENTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Components</th>
<th>CAS No.</th>
<th>Percent(%)</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Polyethylene</td>
<td>9002-88-4</td>
<td>50-100%</td>
<td>Not established</td>
</tr>
<tr>
<td>2</td>
<td>Proprietary</td>
<td>Mixtures</td>
<td>0-50%</td>
<td>Not established</td>
</tr>
</tbody>
</table>

3. PHYSICAL/CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Finished films with colors specified</td>
</tr>
<tr>
<td>Odor</td>
<td>Insignificant</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting Point</td>
<td>120-130°C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>None</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.7-1.2 (water= 1)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not applicable (air= 1)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>None (Butyl Acetate= 1)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>% Volatile</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

The physical data presented above are typical values and should not be construed as a specification.

4. FIRE HAZARD DATA AND FIGHTING METHOD

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Autoignition</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not applicable</td>
</tr>
<tr>
<td>In Air (LEL, %)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Extinguishing Media: Dry chemical, carbon dioxide or foam

Special Fire Fighting Procedure: In the event of a fire, wear NIOSH approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Extinguish fires with foam or dry chemical. Do not use water jet.

Unusual Fire and Explosion Hazards: Avoid accumulation and dispersion of dust to reduce explosion potential. Fire may produce irritating gases and dense smoke.

5. HUMAN HEALTH DATA

Emergency Overview: Practically nontoxic

Primary Route(s) of Exposure: Inhalation, Eye, Skin Contact

Potential Health Effects and Symptoms of Over-Exposure: Negligible hazard at room temperature under normal use.

Eye Contact: Solid flake or dust may cause transient irritation as a result of mechanical abrasion.
Skin Contact: Essentially no irritation to skin. Mechanical injury only. Hot solid may cause thermal burns.
Inhalation: Exposure to dust at high concentration may cause irritation to respiratory tract.
Ingestion: May cause choking if swallowed.

Medical Conditions Aggravated by Overexposure: Not expected.

Carcinogenicity: Product is generally accepted as being biologically inert. No specific antidotal treatment, symptomatic support required.

NTP: No   C: No   OSHA: No

6. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If irritation or other symptoms occur, consult a physician.
Skin Contact: Get medical attention for serious burns. In case of skin contact with hot product, immediately immerse in or flush with clean, cold water.
Inhalation: Remove to fresh air. Consult physician if irritation of respiratory passage occurs.
Ingestion: Consult physician.
Notes to Physician: No known delayed effects following single exposure.
Other Instructions: None

7. EXPOSURE CONTROLS, PERSONAL PROTECTION RECOMMENDATIONS

Eye Protection: Safety glasses
Skin Protection: Gloves required when handling hot material
Respiratory Protection: None required in normal use of product. NIOSH approved dust mask recommended if dust conditions exist.

Engineering Control: Ventilation Requirements-General
General ventilation should be sufficient. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed. If handling results in dust generation, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust.

Required Work/Hygiene Procedure: Minimize contact with skin. Do not eat, drink or smoke in work area. Wash hands thoroughly after handling, especially before eating drinking, smoking, chewing or using restroom facility. Dusted clothing and shoes should be thoroughly cleaned before use.
Exposure Guidelines:

<table>
<thead>
<tr>
<th>No.</th>
<th>COMPONENTS</th>
<th>OSHA-PEL</th>
<th>ACGffii-TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Polyethylene</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

8. ACCIDENTAL RELEASE CONTROL MEASURES
Response to Spills: Not applicable

9. HANDLING AND STORAGE
Handling: Wear safety glasses during cutting and fabricating processes. Electrostatic charge may build up during handling. Grounding of equipment is recommended.
Storage: Store in a dry place and away from direct sunlight.
Container Use: Keep container closed

10. STABILITY AND REACTIVITY
Stability: Stable
Conditions to Avoid: Strong oxidizers
Hazardous
Decomposition: Carbon dioxide, carbon monoxide
Hazardous
Polymerization: Will not occur

11. DISPOSAL CONSIDERATIONS
Disposal Method: It must be disposed of in accordance with Federal, State and local environmental control regulations.
Recycle/Reclaim: Recycling and reclamation of product should be encouraged where possible.

12. TRANSPORT INFORMATION
DOT Shipping Name: Not listed
DOT Label: Not regulated
DOT Hazard Class: Not applicable
UN/NA Number: Not applicable
Hazard Label(s): Not applicable
Hazard Placard(s): Not applicable
Packing Group: Not applicable
Bulk Packaging: Not applicable
RQ: Not applicable
Emergency Response Guide (ERG) No.: Not applicable

13. TOXICOLOGICAL INFORMATION
The information provided below can be subject to misinterpretation. Therefore, it is essential the following information be interpreted by individuals trained in its evaluation.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Toxicity Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethylene</td>
<td>No toxicology data available</td>
</tr>
<tr>
<td></td>
<td>Polyethylene is not considered hazardous materials under the OHSA Hazard Communication Standard</td>
</tr>
</tbody>
</table>

14. ECOLOGICAL INFORMATION
No data is available on the adverse effects of this product on the environment. Neither COD or BOD data are available.
15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

Polyethylene

OSHA Status: None
EPA Clean Air Act Status: None
EPA Clean Water Act Status: None
TSCA Status: All ingredients are listed on TSCA Inventory (40 CFR710)
CERCLARQ: None

SARA Title III
Polyethylene

Section 302(i) Section 313 (ii) Section 311/312 (iii)
None None None

(i) Reportable quantity of extremely hazardous substance, Sec. 302
(ii) Toxic Chemical. Sec 313
Category as required by Sec 313 (40CFR372.65C). Must be used on Toxic Release Inventory form.
(iii) Hazard category for SARA Sec.311/312 reporting H1=acute health hazard, H2=chronic health hazard, P3=fire hazard, P4=sudden release of pressure hazard, P5=reactive hazard

RCRA Status: If disposed of in its purchased form, this would not be a RCRA hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product used to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261.20-24).

OTHER REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product-specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

State Chemical Regulation
None Polyethylene None

Product Name: GPL-16, GPL-16SF, GPL-16DF

International None

16. OTHER INFORMATION

NFPA
Fire-1 Health-0
Health-0 Flammability - 1
Reactivity-0 Reactivity - 0
Specific Hazard-None Personal Protection Index - E

HMIS

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