Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

Section 1. Identification

Product Information: 25A-G024
Product Name: ECO PATHWAY BLACK
Recommended Use: Liquid Paint
Application Method: See Technical Data Sheet
Supplied by: Aexcel Corporation
7373 Production Drive.
Mentor, OH 44060

Emergency Telephone: Chemtrec: 800-424-9300
Safety Data Sheet Coordinator: lWebb@AexcelCorp.com

Section 2. Hazard(s) identification

EMERGENCY OVERVIEW: Flammable liquid and vapor.

GHS Classification
Eye Irrit. 2, Flam. Liq. 1, STOT SE 3 RTI, Skin Irrit. 2, Skin Sens. 1

Symbol(s) of Product

Signal Word
Danger

GHS HAZARD STATEMENTS
Flammable Liquid, category 1 H224 Extremely flammable liquid and vapour.
Skin Irritation, category 2 H315 Causes skin irritation.
Skin Sensitizer, category 1 H317 May cause an allergic skin reaction.
Eye Irritation, category 2 H319 Causes serious eye irritation.
STOT, single exposure, category 3, RTI H335 May cause respiratory irritation.

GHS LABEL PRECAUTIONARY STATEMENTS
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local rules and regulations.
GHS SDS PRECAUTIONARY STATEMENTS
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P363 Wash contaminated clothing before reuse.

Section 3. Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Wt. %</th>
<th>GHS Symbols</th>
<th>GHS Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL METHACRYLATE</td>
<td>80-62-6</td>
<td>10-25</td>
<td>GHS02-GHS07</td>
<td>H225-315-317-335</td>
</tr>
<tr>
<td>N-BUTYL ACRYLATE</td>
<td>141-32-2</td>
<td>10-25</td>
<td>GHS02-GHS07</td>
<td>H226-315-317-332-335</td>
</tr>
</tbody>
</table>

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

Section 4. First-aid measures

FIRST AID - INHALATION: Move to fresh air.
FIRST AID - SKIN CONTACT: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
FIRST AID - EYE CONTACT: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse with plenty of water.
FIRST AID - INGESTION: Call a physician immediately. Do not induce vomiting without medical advice.

Section 5. Fire-fighting measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Remove all sources of ignition.
SPECIAL FIREFIGHTING PROCEDURES: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

Section 6. Accidental release measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.
Section 7. Handling and storage

**HANDLING:** Containers of this material may be hazardous when emptied. Handle in accordance with good industrial hygiene and safety practice.

**STORAGE:** Harmful - Store away from foodstuffs. Keep containers tightly closed. Keep in a well-ventilated place. Keep locked-up. For Industrial Use Only

Section 8. Exposure controls/personal protection

**Ingredients with Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV-TWA</th>
<th>ACGIH-TLV STEL</th>
<th>OSHA PEL-TWA</th>
<th>OSHA PEL-CEILING</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-BUTYL ACRYLATE</td>
<td>2 ppm</td>
<td>NE</td>
<td>10 ppm</td>
<td>NE</td>
</tr>
<tr>
<td>METHYL METHACRYLATE</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>NE</td>
</tr>
</tbody>
</table>

Further Advice: MEL = Maximum Exposure Limit  OES = Occupational Exposure Standard  SUP = Supplier's Recommendation  Sk = Skin Sensitizer  N.E. = Not Established

**Personal Protection**

**RESPIRATORY PROTECTION:** In the case of respirable dust and/or fumes, use self-contained breathing apparatus.

**SKIN PROTECTION:** Impervious gloves.

**EYE PROTECTION:** Safety glasses with side-shields.

**OTHER PROTECTIVE EQUIPMENT:** Impervious clothing.

**HYGIENIC PRACTICES:** General industrial hygiene practice.

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range</td>
<td>0 - 0</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Appearance</td>
<td>Heavy Liquid</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>NE</td>
</tr>
<tr>
<td>Freeze Point</td>
<td>NE</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>40</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.60</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NE</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>3.10</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.678</td>
</tr>
<tr>
<td>pH</td>
<td>NE</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NE</td>
</tr>
<tr>
<td>Flash Point, °C</td>
<td>10, °F 50</td>
</tr>
</tbody>
</table>

(See section 16 for abbreviation legend)

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>VAPOR DENSITY</th>
<th>EVAPORATION RATE</th>
<th>BOILING POINT</th>
<th>VP mmHg</th>
<th>AT DEG. F</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL METHACRYLATE</td>
<td>3.60</td>
<td>3.10</td>
<td>212</td>
<td>40.00</td>
<td>68</td>
</tr>
<tr>
<td>N-BUTYL ACRYLATE</td>
<td>0.899</td>
<td>NA</td>
<td>298</td>
<td>4.30</td>
<td>68</td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid contact with skin, eyes and clothing.

INCOMPATIBILITY: Strong oxidizing agents. Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition if stored and applied as directed.

Section 11. Toxicological information

Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: Local ventilation of emission sources may be necessary to maintain ambient concentrations below recommended exposure limits.

EFFECT OF OVEREXPOSURE - EYE CONTACT: Direct eye contact may cause irritation.

EFFECT OF OVEREXPOSURE - INGESTION: Harmful: may cause lung damage if swallowed.

CARCINOGENICITY: No Information

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Name according to EEC</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Vapor LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>141-32-2</td>
<td>N-BUTYL ACRYLATE</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>80-62-6</td>
<td>METHYL METHACRYLATE</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
</tbody>
</table>

N.I. - No Information

Section 12. Ecological information

ECOLOGICAL INFORMATION: Do not contaminate ponds, waterways or ditches with chemical or used container.

Section 13. Disposal considerations

DISPOSAL METHOD: Contact waste disposal services. Dispose of in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Soak up with inert absorbent material and dispose of as hazardous waste.

Section 14. Transport information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT Proper Shipping: Paint, Flammable Liquid

Packing Group: II

DOT Technical Name: Paint

Hazard SubClass: No Information

DOT Hazard Class: 3


DOT UN/NA Number: 1263
Section 15. Regulatory information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA ‘Hazard Categories’ promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard

SARA SECTION 312:

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<thead>
<tr>
<th>Chemical Name</th>
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<tbody>
<tr>
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</table>

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

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<tr>
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<tbody>
<tr>
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</tr>
<tr>
<td>METHYL METHACRYLATE</td>
<td>80-62-6</td>
</tr>
<tr>
<td>1-METHYL-2-PYRROLIDONE</td>
<td>872-50-4</td>
</tr>
<tr>
<td>XYLENE (100%)</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>ETHYL BENZENE</td>
<td>100-41-4</td>
</tr>
</tbody>
</table>

TOXIC SUBSTANCES CONTROL ACT:

All components of this material are listed on the US Toxic Substance Control Act (TSCA inventory).

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AASHTO TYPE I, UNCOATED BEADS</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>LIMESTONE</td>
<td>1317-65-3</td>
</tr>
</tbody>
</table>

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3%.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>AASHTO TYPE I, UNCOATED BEADS</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>LIMESTONE</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>AGGREGATE</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>BUTYL METHACRYLATE COPOLYMER</td>
<td>28262-63-7</td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

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<th>Chemical Name</th>
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<td>ETHYL BENZENE</td>
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CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

**Chemical Name**
1-METHYL-2-PYRROLIDONE

**CAS-No.**
872-50-4

International Regulations: As follows -

**CANADIAN WHMIS:**

All components of this material are listed on the Domestic Substance List.

**WHMIS Class:** No Information

| Section 16. Other information, including date of preparation of the last revision |
|---|---|---|---|
| **Revision Date:** | 3/22/2019 | **Supercedes Date:** | New MSDS |
| **Reason for revision:** | GHS | **Datasheet produced by:** | Regulatory Department |

**HMIS Ratings:**

| Health: | 2 | Flammability: | 3 | Reactivity: | 2 | Personal Protection: | X |

**Volatile Organic Compounds, gr/ltr:** 9

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

**Icons for GHS Pictograms shown in Section 3 describing each ingredient:**

- GHS02
  ![GHS02](image)

- GHS07
  ![GHS07](image)

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

No Information