Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
1.2 Relevant identified uses of the substance or mixture and uses advised against
   No further relevant information available.
1.3 Details of the supplier of the Safety Data Sheet
   Manufacturer/Supplier:
   Mon-Eco Industries, Inc.
   5 Joanna Ct.
   East Brunswick, NJ 08816
   Phone: 732-257-7942

1.4 Emergency telephone number:
   ChemTel Inc.
   (800)255-3924, +1 (813)248-0585

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
2.2 Classification according to Regulation (EC) No 1272/2008
   Classifications listed also are applicable to the OSHA GHS Hazard Communication Standard
   The following classifications are applicable only to the general GHS regulations and not the specific CLP
   regulation: H412.
   The following classifications are applicable only to OSHA (USA) regulations and not the specific CLP
   regulation: H350.
   health hazard

Carc. 1B  H350  May cause cancer.

Skin Irrit. 2   H315  Causes skin irritation.
Eye Irrit. 2   H319  Causes serious eye irritation.

Aquatic Chronic 3 H412  Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant
R36:  Irritating to eyes.
R52/53:  Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

(Contd. on page 2)
Trade name: Eco-Coating

· Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements
· Labelling according to Regulation (EC) No 1272/2008
The product is additionally classified and labelled according to the Globally Harmonized System within the United States (GHS).
The product is classified and labelled according to the CLP regulation.

Hazard pictograms

health hazard (US GHS only)

GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labelling:
titanium dioxide
antimony trioxide
Petroleum Distillates

· Hazard statements
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.
The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H350.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H350 May cause cancer.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements
P281 Use personal protective equipment as required.
P264 Wash thoroughly after handling.
P202 Do not handle until all safety precautions have been read and understood.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P405 Store locked up.

(Contd. of page 3)
Trade name: Eco-Coating

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
  Restricted to professional users.

- **Hazard description:**

- **WHMIS-symbols:**
  D2B - Toxic material causing other toxic effects

- **NFPA ratings (scale 0 - 4)**
  - Health = 1
  - Fire = 0
  - Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**
  - Health = *1
  - Fire = 0
  - Reactivity = 0

- **HMIS Long Term Health Hazard Substances**
  13463-67-7 titanium dioxide
  1309-64-4 antimony trioxide

- **2.3 Other hazards**
  - Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
  - **Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

<table>
<thead>
<tr>
<th>CAS: 25767-47-9</th>
<th>Styrene acrylate polymer</th>
<th>10-25%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Xi R36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2, H319*</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 71218-54-7</th>
<th>Vinyl-Acrylic copolymer</th>
<th>5-10%</th>
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<tbody>
<tr>
<td></td>
<td>Xi R36/38</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
<td></td>
</tr>
</tbody>
</table>
Trade name: Eco-Coating

| CAS: 9003-29-6 | Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) | < 5% |
| NLP: 500-004-7 | ![Xn R55; Xi R38](image) | ![Asp. Tox. 1, H304](image) | ![Skin Irrit. 2, H315](image) |

| CAS: 25265-77-4 | 2,2,4-trimethyl-1,3-pentanediol mono(2-methylpropanoate) | < 5% |
| EINECS: 246-771-9 | ![Xi R36; N R51/53](image) | ![Aquatic Chronic 2; H411](image) | ![Skin Irrit. 2, H315; Eye Irrit. 2, H319](image) |

| CAS: 9016-45-9 | 4-nonylphenyl-polyethylene glycol | < 1% |
| NLP: 500-024-6 | ![Xi R36; N R51/53](image) | ![Aquatic Chronic 2; H411](image) | ![Skin Irrit. 2, H315; Eye Irrit. 2, H319](image) |

| CAS: 1309-64-4 | Antimony trioxide | < 1% |
| EINECS: 215-175-0 | ![Xn R40](image) | ![Carc. 2; H351](image) |

| Index number: 051-005-00-X | ![Carc. 1B; H350](image) |

**SVHC**

9016-45-9 4-nonylphenyl-polyethylene glycol

**Dangerous Components (Alternative Classifications):**

| CAS: 13463-67-7 | Titanium dioxide | ![Carc. 2, H351](image) | < 5% |
| EINECS: 236-675-5 | ![Carc. 3](image) |

**Additional information:** For the wording of the listed risk phrases refer to section 16.

**Notable Trace Components (≤ 0.1% w/w):**

| CAS: 1897-45-6 | Chlorothalonil (ISO) | ![T+ R26; Xn R40; Xi R37-41; Xi R43; N R50/53](image) |
| EINECS: 217-588-1 | ![Carc. 3](image) |
| Index number: 608-014-00-4 | ![Acute Tox. 2; H330](image) | ![Carc. 2, H351](image) | ![Eye Dam. 1, H318](image) | ![Aquatic Acute 1, H400; Aquatic Chronic 1, H410](image) | ![Skin Sens. 1, H317; STOT SE 3, H335](image) |

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

**After inhalation:**

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

**After skin contact:**

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 5)
Trade name: Eco-Coating

If skin irritation is experienced, consult a doctor.

- **After eye contact:**
  Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**
  Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

- **Headache**
- **Irritant to skin and mucous membranes.**
- **Irritant to eyes.**
- **Dizziness**
- **Gastric or intestinal disorders when ingested.**
- **Nausea in case of ingestion.**

- **Hazards**
  - May cause respiratory irritation.
  - May cause cancer.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**
    - Foam
    - Fire-extinguishing powder
    - Carbon dioxide
    - Water haze or fog

- **For safety reasons unsuitable extinguishing agents:** None.

- **5.2 Special hazards arising from the substance or mixture**
  - Formation of toxic gases is possible during heating or in case of fire.

- **5.3 Advice for firefighters**
  - **Protective equipment:**
    - Wear self-contained respiratory protective device.
    - Wear fully protective suit.

- **Additional information** No further relevant information available.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Particular danger of slipping on leaked/spilled product.
  - Wear protective equipment. Keep unprotected persons away.
  - Wear protective clothing.
  - For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

- **6.2 Environmental precautions:**
  - Do not allow to enter sewers/surface or ground water.

(Contd. on page 6)
SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Use only in well ventilated areas.
  Avoid splashes or spray in enclosed areas.
  Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    Requirements to be met by storerooms and receptacles:
    Avoid storage near extreme heat, ignition sources or open flame.
- Information about storage in one common storage facility:
  Store away from foodstuffs.
  Do not store together with acids.
  Store away from oxidising agents.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    | 1309-64-4 antimony trioxide |
    |-----------------------------|
    | PEL (USA) | Long-term value: 0,5 mg/m³ |
    | REL (USA) | Long-term value: 0,5 mg/m³ |
    | TLV (USA) | Long-term value: 0,5 mg/m³ |
    | EL (Canada) | ACGIH A2, IARC 2B |

- DNELs No further relevant information available.
- PNECs No further relevant information available.
- Additional information: The lists valid during the making were used as basis.
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and OSHA GHS

Printing date 10.02.2015 Revision: 10.02.2015

Trade name: Eco-Coating

(Contd. of page 6)

8.2 Exposure controls

• Personal protective equipment:
  • General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
  • Respiratory protection:
  Suitable respiratory protective device recommended.
  Use suitable respiratory protective device when aerosol or mist is formed.
  Use suitable respiratory protective device when high concentrations are present.
  For spills, respiratory protection may be advisable.
  NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.
  • Protection of hands:
    Protective gloves

    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
  • Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  • Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  • Eye protection:

    Safety glasses

    • Body protection: Protective work clothing
    • Limitation and supervision of exposure into the environment
      No further relevant information available.
    • Risk management measures
      See Section 7 for additional information.
      No further relevant information available.

(Contd. on page 8)
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:
- Form: Liquid
- Colour: Not determined.
- Odour: Mild
- Odour threshold: Not determined.
- pH-value: Not determined.
Change in condition
- Melting point/Melting range: Not Determined.
- Boiling point/Boiling range: 212° F/ 100 °C (414° F/ 212 °F)
Flash point: Not applicable.
Flammability (solid, gaseous): Not applicable.
Auto/Self-ignition temperature: Not determined.
Decomposition temperature: Not determined.
Self-igniting: Product is not self-igniting.
Danger of explosion: Product does not present an explosion hazard.
Explosion limits:
- Lower: Not determined.
- Upper: Not determined.
Vapour pressure at 20 °C (68 °F): 23 hPa (17 mm Hg)
Density at 20 °C (68 °F): 1,39 g/cm³ (11,6 lbs/gal)
Relative density: Not determined.
Vapour density at 20 °C (68 °F): > 1 g/cm³ (> 8,345 lbs/gal) (AIR = 1)
Evaporation rate: Not determined.
Solubility in / Miscibility with water: Not miscible or difficult to mix.
Partition coefficient (n-octanol/water): Not determined.
Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.
Solvent content:
- VOC content: 1,7 %
9.2 Other information No further relevant information available.
SECTION 10: Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
  Toxic fumes may be released if heated above the decomposition point.
  Reacts with strong acids and oxidising agents.
- 10.4 Conditions to avoid
  Keep away from heat and direct sunlight.
  Store away from oxidising agents.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:
  Carbon monoxide and carbon dioxide
  Hydrogen chloride (HCl)

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:
  LD/LC50 values relevant for classification: None.
- Primary irritant effect:
  on the skin: Irritant to skin and mucous membranes.
  on the eye: Irritating effect.
- Sensitisation: No sensitising effects known.
- Additional toxicological information:
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  Irritant
  Acute effects (acute toxicity, irritation and corrosivity): Vapours have narcotic effect.
  Repeated dose toxicity: May cause damage to organs through prolonged or repeated exposure.
  CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):
  Carc. 1B

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity: The product contains materials that are harmful to the environment.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Ecotoxic effects:
  Remark: Harmful to fish

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Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
OSHA GHS

Printing date 10.02.2015 Revision: 10.02.2015

Trade name: Eco-Coating

- Additional ecological information:
- General notes:
  Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  Harmful to aquatic organisms
  Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    Must not be disposed together with household garbage. Do not allow product to reach sewage system.
    Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
  - Uncleaned packaging:
    - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  - DOT, ADR, ADN, IMDG, IATA Not Regulated
- 14.2 UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA Not Regulated
- 14.3 Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA Not Regulated
  - Class
  - 14.4 Packing group
  - DOT, ADR, IMDG, IATA Not Regulated
- 14.5 Environmental hazards:
  - Marine pollutant: No
  - 14.6 Special precautions for user
  - Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  - Not applicable.
- UN "Model Regulation":
  - }

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(Contd. on page 11)
## SECTION 15: Regulatory information

1. **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
   - **United States (USA)**
     - **SARA**
       - **Section 355 (extremely hazardous substances):**
         - None of the ingredients are listed.
       - **Section 313 (Specific toxic chemical listings):**
         - None of the ingredients are listed.
   - **TSCA (Toxic Substances Control Act):**
     - All ingredients are listed.
   - **Proposition 65 (California):**
     - **Chemicals known to cause cancer:**
       - 13463-67-7 titanium dioxide
       - 1309-64-4 antimony trioxide
       - 1897-45-6 chlorothalonil (ISO)
     - **Chemicals known to cause reproductive toxicity for females:**
       - None of the ingredients are listed.
   - **Chemicals known to cause reproductive toxicity for males:**
     - None of the ingredients are listed.
   - **Chemicals known to cause developmental toxicity:**
     - None of the ingredients are listed.

### Carcinogenic Categories

- **EPA (Environmental Protection Agency)**
  - None of the ingredients are listed.

### IARC (International Agency for Research on Cancer)

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical</th>
<th>Classification</th>
</tr>
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<tbody>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>2B</td>
</tr>
<tr>
<td>1309-64-4</td>
<td>antimony trioxide</td>
<td>2B</td>
</tr>
<tr>
<td>9002-86-2</td>
<td>polyvinyl chloride</td>
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</table>

### TLV (Threshold Limit Value established by ACGIH)

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<th>CAS Number</th>
<th>Chemical</th>
<th>Classification</th>
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<td>13463-67-7</td>
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<tr>
<td>1309-64-4</td>
<td>antimony trioxide</td>
<td>A2</td>
</tr>
<tr>
<td>9002-86-2</td>
<td>polyvinyl chloride</td>
<td>A4</td>
</tr>
</tbody>
</table>

### NIOSH-Ca (National Institute for Occupational Safety and Health)

<table>
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<tr>
<th>CAS Number</th>
<th>Chemical</th>
</tr>
</thead>
<tbody>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
</tr>
</tbody>
</table>

### Canada

- **Canadian Domestic Substances List (DSL)**
  - All ingredients are listed.
### Trade name: Eco-Coating

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H350 May cause cancer.
- H351 Suspected of causing cancer.
- H411 Toxic to aquatic life with long lasting effects.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R40 Limited evidence of a carcinogenic effect.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.

**Abbreviations and acronyms:**
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- WHMIS: Workplace Hazardous Materials Information System (Canada)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Carc. 1B: Carcinogenicity, Hazard Category 1B
- Carc. 2: Carcinogenicity, Hazard Category 2

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### Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

#### Substances of very high concern (SVHC) according to REACH, Article 57

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Substance Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>9016-45-9</td>
<td>4-nonylphenyl-polyethylene glycol</td>
</tr>
</tbody>
</table>

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 13)
**Trade name: Eco-Coating**

Asp. Tox. 1: Aspiration hazard, Hazard Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3  

**Sources**  
SDS Prepared by:  
ChemTel Inc.  
1305 North Florida Avenue  
Tampa, Florida USA 33602-2902  
Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573  
Website: www.chemtelinc.com

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