Safety Data Sheet

according to OSHA Hazard Communication
29 CFR Part 1910.1200

Section 1. Identification

Product Information: 22Y-E015
Product Name: TOUGHLINE YELLOW TRAFFIC SAFETY PAINT
Recommended Use: Liquid Paint
Application Method: Liquid Paint
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
Flam. Liq. 2, Repr. 2

Symbol(s) of Product

Signal Word
Danger

GHS HAZARD STATEMENTS
Flammable Liquid, category 2 H225 Highly flammable liquid and vapour.
Reproductive Toxicity, category 2 H361 Suspected of damaging fertility or the unborn child.

GHS LABEL PRECAUTIONARY STATEMENTS
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use dry chemical, carbon dioxide, or foam to extinguish.
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.

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**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>DIMETHYL CARBONATE/DIMETHYL ESTER</td>
<td>616-38-6</td>
<td>10-25</td>
<td>GHS02</td>
<td>H225</td>
</tr>
<tr>
<td>ACETONE</td>
<td>67-64-1</td>
<td>10-25</td>
<td>GHS02-GHS07</td>
<td>H225-320-335-336</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
<td>2.5-10</td>
<td>GHS02-GHS07-GHS08</td>
<td>H225-304-315-319-336-361-373</td>
</tr>
</tbody>
</table>

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

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**Section 4. First-aid measures**

**FIRST AID - INHALATION:** Move to fresh air in case of accidental inhalation of vapors or decomposition products. Move to fresh air. Oxygen or artificial respiration if needed.

**FIRST AID - SKIN CONTACT:** If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**FIRST AID - EYE CONTACT:** Rinse with plenty of water.

**FIRST AID - INGESTION:** Consult a physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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**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:** Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam

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**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.

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**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.

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**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>
</table>
DIMETHYL CARBONATE/ DIMETHYL ESTER

ACETONE

TOLUENE

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: Contaminated work clothing should not be allowed out of the workplace. Keep working clothes separately.

9. Physical and Chemical Properties

<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>DIMETHYL CARBONATE/ DIMETHYL ESTER</td>
<td>NE</td>
<td>3.22</td>
<td>194</td>
<td>42.00</td>
<td>68</td>
</tr>
<tr>
<td>ACETONE</td>
<td>2.00</td>
<td>14.40</td>
<td>133</td>
<td>226.00</td>
<td>68</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>3.20</td>
<td>2.00</td>
<td>233</td>
<td>16.70</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: Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide
### 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>616-38-6</td>
<td>DIMETHYL CARBONATE/ DIMETHYL</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td></td>
<td>ESTER</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-64-1</td>
<td>ACETONE</td>
<td>N.I.</td>
<td>N.I.</td>
<td>N.I.</td>
</tr>
<tr>
<td>108-88-3</td>
<td>TOLUENE</td>
<td>5580</td>
<td>12196</td>
<td>12500</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

**Product**

**DISPOSAL METHOD:** Contact waste disposal services.

**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

<table>
<thead>
<tr>
<th>DOT Proper Shipping</th>
<th>Paint, Flammable Liquid</th>
<th>Packing Group: II</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Technical Name:</td>
<td>Paint</td>
<td>Hazard SubClass:</td>
</tr>
<tr>
<td>DOT Hazard Class:</td>
<td></td>
<td>No Information</td>
</tr>
</tbody>
</table>
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, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 312:

<table>
<thead>
<tr>
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<tr>
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<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
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</tbody>
</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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</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>CALCIUM CARBONATE</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>BUTYL METHACRYLATE COPOLYMER</td>
<td>28262-63-7</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>CALCIUM CARBONATE</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>BUTYL METHACRYLATE COPOLYMER</td>
<td>28262-63-7</td>
</tr>
<tr>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>MONOAZO YELLOW</td>
<td>6358-31-2</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:

No Proposition 65 Carcinogens exist in this product.

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE</td>
<td>108-88-3</td>
</tr>
</tbody>
</table>
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: 6/21/2016
Supercedes Date: New MSDS
Reason for revision: GHS
Datasheet produced by: Regulatory Department

HMIS Ratings:

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

Volatile Organic Compounds, gr/ltr: 93

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

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H320 Causes eye irritation
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

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

GHS02

GHS07

GHS08

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

No Information