Section 1: Manufacturer's Identification

Product Name: TL70 EPOXY BLUE, PART A    Product Code: A4-4470
Manufacturer's Name: Induron Protective Coatings, LLC
Address: 3333 Richard Arrington Blvd . N.
        Birmingham, Alabama 35234
Emergency Phone: 1-800-424-9300
Information Phone: (205)324-9584

Section 2: Composition / Information on Ingredients

GHS Ratings:

- Flammable liquid: 2  Flash point < 23°C and initial boiling point > 35°C (95°F)
- Skin corrosive: 1C  Destruction of dermal tissue: Exposure < 4 hours
- Observation < 14 days, visible necrosis in at least one animal
- Eye corrosive: 1  Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
- Skin sensitizer: 1  Skin sensitizer
- Carcinogen: 1A  Known Human Carcinogen Based on human evidence
- Reproductive toxin: 1B  Presumed, Based on experimental animals

GHS Hazards

- H225  Highly flammable
- H314  Causes severe skin burns and eye damage
- H317  May cause an allergic skin reaction
- H318  Causes serious eye damage
- H350  May cause cancer
- H360  May damage fertility or the unborn child

GHS Precautions

- P201  Obtain special instructions before use
- P202  Do not handle until all safety precautions have been read and understood
- P210  Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P233  Keep container tightly closed.
- P240  Ground/bond container and receiving equipment.
- P241  Use explosion-proof electrical equipment.
- P242  Use only non-sparking tools.
- P243  Take precautionary measures against static discharge.
- P260  Do not breathe dust/fume/gas/mist/vapours/spray.
- P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264  Wash equipment and contaminated skin thoroughly after handling.
- P272  Contaminated work clothing should not be allowed out of the workplace.
- P280  Wear protective gloves/protective clothing/eye protection/face protection.
- P281  Use personal protective equipment as required
- P310  Immediately call a POISON CENTER or doctor/physician
- P321  Wash contaminated skin, follow Physician's instructions for treatment.
- P363  Wash contaminated clothing before reuse
- P301+P330+P331  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P302+P352  IF ON SKIN: Wash with soap and water
- P303+P361+P353  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
- Rinse skin with water/shower
- P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
**Section 3 : Hazards Identification**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines</td>
<td>68410-23-1</td>
<td>8.00%</td>
</tr>
<tr>
<td>ISOBUTANOL</td>
<td>78-83-1</td>
<td>6.00%</td>
</tr>
<tr>
<td>Titanium Dioxide Colorant</td>
<td>13463-67-7</td>
<td>5.00%</td>
</tr>
<tr>
<td>* 1,2,4-TRIMETHYL BENZENE</td>
<td>95-63-6</td>
<td>4.00%</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>2.00%</td>
</tr>
<tr>
<td>Benzene,1,2,5-trimethyl</td>
<td>526-73-8</td>
<td>2.00%</td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl</td>
<td>108-67-8</td>
<td>2.00%</td>
</tr>
<tr>
<td>Mixed Xylenes</td>
<td>1330-20-7</td>
<td>1.00%</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>0.70%</td>
</tr>
<tr>
<td>2-ETHYL BENZENE</td>
<td>100-41-4</td>
<td>0.30%</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>0.20%</td>
</tr>
</tbody>
</table>

(1) Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity \( \geq 3 \), Iritis \( > 1.5 \)

**Section 4: First Aid Measures**

- Remove to fresh air, seek medical attention.
- Immediately flush eyes with water for at least 15 min. Seek medical attention.
- Immediately washes with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek medical attention.
- Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to unconscious personnel. Seek immediate medical attention.
- Allergies, eczema, or skin conditions can be aggravated by this product.

**Section 5: Fire Fighting Measure:**

- Flash Point: \(-5\) \(^{\circ}\)C (23 \(^{\circ}\)F)
- LEL: 1.00
- UEL: 11.00

Carbon dioxide, foam, dry chemical, water spray.

Decomposition and combustion products may be toxic

Self contained breathing apparatus
Section 6: Accidental Release Measures
Absorb onto sand or other absorbent material. Shovel into closed container for disposal. Flush contaminated area with water.

Section 7: Handling and Storage
Causes severe eye irritation and may cause eye burns. Can cause skin irritation. May be harmful if swallowed. Avoid vapor or mist. Avoid skin contact. Wash thoroughly after handling. Overexposure can have effects on nervous system. Store in closed containers.

Section 8: Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylene polyamines 68410-23-1</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>ISOBUTANOL 78-83-1</td>
<td>100 ppm TWA; 300 mg/m³ TWA</td>
<td>50 ppm TWA</td>
<td>NIOSH: 50 ppm TWA; 150 mg/m³ TWA</td>
</tr>
<tr>
<td>Titanium Dioxide Colorant 13463-67-7</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>10 mg/m³ TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>* 1,2,4-TRIMETHYL BENZENE 95-63-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m³ TWA</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone 78-93-3</td>
<td>200 ppm TWA; 590 mg/m³ TWA</td>
<td>300 ppm STEL 200 ppm TWA</td>
<td>NIOSH: 200 ppm TWA; 590 mg/m³ TWA 300 ppm STEL; 885 mg/m³ STEL</td>
</tr>
<tr>
<td>Benzene,1,2,5-trimethyl 526-73-8</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m³ TWA</td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl 108-67-8</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m³ TWA</td>
</tr>
<tr>
<td>Mixed Xylenes 1330-20-7</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>150 ppm STEL 100 ppm TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>Cumene 98-82-8</td>
<td>50 ppm TWA; 245 mg/m³ TWA</td>
<td>50 ppm TWA</td>
<td>NIOSH: 50 ppm TWA; 245 mg/m³ TWA</td>
</tr>
<tr>
<td>2-ETHYL BENZENE 100-41-4</td>
<td>100 ppm TWA; 435 mg/m³ TWA</td>
<td>20 ppm TWA</td>
<td>NIOSH: 100 ppm TWA; 435 mg/m³ TWA 125 ppm STEL; 545 mg/m³ STEL</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0% 14808-60-7</td>
<td>.05 mg/m³ TWA</td>
<td>0.025 mg/m³ TWA (respirable fraction)</td>
<td>NIOSH: 0.05 mg/m³ TWA (respirable dust)</td>
</tr>
</tbody>
</table>

Good general mechanical ventilation and local exhaust.

Assure personnel safety training.
Wear protective equipment to prevent exposure and personal contact.
Wear impervious gloves
Use NIOSH approved vapor respirator if required.
W
ear splash proof goggles. Wash cloths before reuse. Dispose of contaminated shoes.

**Section 9: Physical and Chemical Properties**

<table>
<thead>
<tr>
<th><strong>Viscosity:</strong> NA</th>
<th><strong>Appearance:</strong> CLEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Odor:</strong> MILD, AROMATIC</td>
<td><strong>VAPOR PRESSURE:</strong> 1.065kPa@25C</td>
</tr>
<tr>
<td><strong>Odor threshold:</strong> NO DATA</td>
<td><strong>Vapor Density:</strong> 3.66</td>
</tr>
<tr>
<td><strong>pH:</strong> 7</td>
<td><strong>DENSITY:</strong> 11.46</td>
</tr>
<tr>
<td><strong>Melting point:</strong> -56F/-47C</td>
<td><strong>Freezing point:</strong> NA</td>
</tr>
<tr>
<td><strong>Solubility:</strong> NA</td>
<td><strong>Boiling range:</strong> 137C</td>
</tr>
<tr>
<td><strong>Flash point:</strong> 23 F,-5 C</td>
<td><strong>Evaporation rate:</strong> 0.86</td>
</tr>
<tr>
<td><strong>Flammability:</strong> 1.37</td>
<td><strong>Explosive Limits:</strong> LOWER/UPPER 1%/6.6%</td>
</tr>
<tr>
<td><strong>Partition coefficient (n-octanol/water):</strong> NA</td>
<td><strong>Autoignition temperature:</strong> 980F/527C</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong> NO DATA</td>
<td><strong>Coating VOC Lb/Gal:</strong> 2.19</td>
</tr>
</tbody>
</table>

**Section 10: Stability and Reactivity**

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.

STABLE

Do not expose to strong oxidizing agents or strong acids.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

**Section 11: Toxicological Information**

**Mixture Toxicity**

Inhalation Toxicity LC50: 147mg/L

**Routes of Entry:**

<table>
<thead>
<tr>
<th><strong>Inhalation</strong></th>
<th><strong>Skin Contact</strong></th>
<th><strong>Eye Contact</strong></th>
<th><strong>Ingestion</strong></th>
</tr>
</thead>
</table>

Exposure to this material may affect the following organs:

<table>
<thead>
<tr>
<th>Blood</th>
<th>Eyes</th>
<th>Lungs</th>
<th>Central Nervous System</th>
<th>Skin</th>
<th>Respiratory System</th>
</tr>
</thead>
</table>

**Effects of Overexposure**

<table>
<thead>
<tr>
<th><strong>CAS Number</strong></th>
<th><strong>Description</strong></th>
<th><strong>% Weight</strong></th>
<th><strong>Carcinogen Rating</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>0.2</td>
<td>Microcrystalline silica 98.5-99.0%: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed</td>
</tr>
</tbody>
</table>
Section 12: Ecological Information

None available.

Component Ecotoxicity

**ISOBUTANOL**
- 96 Hr LC50 Pimephales promelas: 1370 - 1670 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 375 mg/L [static] (fry); 96 Hr LC50 Lepomis macrochirus: 1480 - 1730 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 1120 - 1520 mg/L [flow-through]; 96 Hr LC50 Daphnia magna: 1300 mg/L; 48 Hr EC50 Daphnia magna: 1070 - 1933 mg/L [Static]

* **1,2,4-TRIMETHYL BENZENE**
- 96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]; 48 Hr EC50 Daphnia magna: 6.14 mg/L

**Methyl Ethyl Ketone**
- 96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]; 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]

**Benzene,1,3,5-trimethyl**
- 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]; 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

**Mixed Xylenes**
- 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]; 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

**Cumene**
- 96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static]; 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

**2-ETHYL BENZENE**
- 96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]; 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]
Section 13: Disposal Considerations
Dispose in accordance with federal, state, and local regulations.

Section 14: Transport Information

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
<tr>
<td>IATA</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
- 14808-60-7 Microcrystalline silica 98.5-99.0% 0%
- 100-41-4 2-ETHYL BENZENE 0%
- 98-82-8 Cumene 1%
- 13463-67-7 Titanium Dioxide Colorant 5%

HAZARDOUS AIR POLLUTANTS
- 100-41-4 2-ETHYL BENZENE
- 98-82-8 Cumene
- 1330-20-7 Mixed Xylenes

MASSACHUSETTS RIGHT TO KNOW
- 14808-60-7 Microcrystalline silica 98.5-99.0% 0%
- 100-41-4 2-ETHYL BENZENE 0%
- 98-82-8 Cumene 1%
- 1330-20-7 Mixed Xylenes 1%
- 108-67-8 Benzene,1,3,5-trimethyl 2%
- 78-93-3 Methyl Ethyl Ketone 2%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 4%
- 13463-67-7 Titanium Dioxide Colorant 5%
- 78-83-1 ISOBUTANOL 6%

NEW JERSEY RIGHT TO KNOW
- 14808-60-7 Microcrystalline silica 98.5-99.0% 0%
- 100-41-4 2-ETHYL BENZENE 0%
- 98-82-8 Cumene 1%
- 1330-20-7 Mixed Xylenes 1%
- 78-93-3 Methyl Ethyl Ketone 2%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 4%
- 13463-67-7 Titanium Dioxide Colorant 5%
- 78-83-1 ISOBUTANOL 6%

Pennsylvania Right to Know
- 14808-60-7 Microcrystalline silica 98.5-99.0% 0%
- 100-41-4 2-ETHYL BENZENE 0%
- 98-82-8 Cumene 1%
- 1330-20-7 Mixed Xylenes 1%
- 78-93-3 Methyl Ethyl Ketone 2%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 4%
- 13463-67-7 Titanium Dioxide Colorant 5%
- 78-83-1 ISOBUTANOL 6%
CHEMICAL LIST FOR SARA 311
1330-20-7  Mixed Xylenes

14808-60-7  Microcrystalline silica 98.5-99.0%
98-82-8  Cumene
1330-20-7  Mixed Xylenes
526-73-8  Benzene, 1,2,5-trimethyl
78-93-3  Methyl Ethyl Ketone
78-83-1  ISOBUTANOL

CHEMICAL LIST FOR SARA 313
100-41-4  2-ETHYL BENZENE
1330-20-7  Mixed Xylenes
95-63-6  * 1,2,4-TRIMETHYL BENZENE

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
</table>

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

Hazardous Material Information System (HMIS) | National Fire Protection Association (NFPA)

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>1</td>
<td>G</td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating
Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

The information provided herein was believed by Induron Protective Coating to be accurate and reliable, but the user is responsible to comply with all laws and procedures whether included or not. Induron makes no warranty expressed or implied concerning the accuracy of the information except the product will comply with Induron specifications.

Date Prepared: 8/2/2016

Reviewer Revision
SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: TL70 EPOXY TAN, PART A    Product Code: A4-7470
Manufacturer's Name: Induron Protective Coatings, LLC
Address: 3333 Richard Arrington Blvd. N.
Birmingham, Alabama 35234
Emergency Phone: 1-800-424-9300
Information Phone: (205)324-9584

Section 2: Composition / Information on Ingredients

GHS Ratings:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2  Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>1C  Destruction of dermal tissue: Exposure &lt; 4 hours</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1  Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity &gt;= 3, Iritis &gt; 1.5</td>
</tr>
<tr>
<td>Skin sensitizer</td>
<td>1  Skin sensitizer</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1A  Known Human Carcinogen Based on human evidence</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>1B  Presumed, Based on experimental animals</td>
</tr>
</tbody>
</table>

GHS Hazards

- H225  Highly flammable
- H314  Causes severe skin burns and eye damage
- H317  May cause an allergic skin reaction
- H318  Causes serious eye damage
- H350  May cause cancer
- H360  May damage fertility or the unborn child

GHS Precautions

- P201  Obtain special instructions before use
- P202  Do not handle until all safety precautions have been read and understood
- P210  Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P233  Keep container tightly closed.
- P240  Ground/bond container and receiving equipment.
- P241  Use explosion-proof electrical equipment.
- P242  Use only non-sparking tools.
- P243  Take precautionary measures against static discharge.
- P260  Do not breathe dust/fume/gas/mist/vapours/spray.
- P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264  Wash equipment and contaminated skin thoroughly after handling.
- P272  Contaminated work clothing should not be allowed out of the workplace.
- P280  Wear protective gloves/protective clothing/eye protection/face protection.
- P281  Use personal protective equipment as required
- P310  Immediately call a POISON CENTER or doctor/physician
- P321  Wash contaminated skin, follow Physician’s instructions for treatment.
- P363  Wash contaminated clothing before reuse
- P301+P330+P331  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P302+P352  IF ON SKIN: Wash with soap and water
- P303+P361+P353  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
**Signal Word: Danger**

This product can be a skin and eye sensitizer. The material should be washed from skin or flushed from eyes immediately. Contaminated clothing should be removed. Wear proper protective equipment. Any other acute toxicological information can be found in section 11. Approximately 2% of the population can develop skin sensitivity with increasing inflammation and allergic reactions with repeated exposure.

### Section 3: Hazards Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
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<td>68410-23-1</td>
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<tr>
<td>Benzene, 1,2,5-trimethyl</td>
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<td>2.00%</td>
</tr>
<tr>
<td>Benzene, 1,3,5-trimethyl</td>
<td>108-67-8</td>
<td>2.00%</td>
</tr>
<tr>
<td>Mixed Xylenes</td>
<td>1330-20-7</td>
<td>1.00%</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>0.70%</td>
</tr>
<tr>
<td>2-ETHYL BENZENE</td>
<td>100-41-4</td>
<td>0.30%</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>0.20%</td>
</tr>
</tbody>
</table>

(1) Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

### Section 4: First Aid Measures

Move the exposed person to fresh air. If vapors are still present the rescuer should wear the appropriate mask. If breathing is irregular or arrest occurs use artificial respiration by trained personnel. Loosen tight fitting clothing. Get medical aid immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Regularly lift upper and lower eyelids during flushing. Remove contact lenses. Get medical aid.

Flush contaminated skin with water. Remove contaminated clothes, avoiding skin contact while doing so. Get medical attention. Clean contaminated shoes thoroughly before reuse.

Wash mouth out thoroughly. Do not induce vomiting unless directed by medical personnel. Get medical attention.

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.

### Section 5: Fire Fighting Measures
Section 6: Accidental Release Measures

No action should be taken with untrained personnel. Evacuate surrounding areas. Do not touch or walk through spill. Shut off all ignition sources. Provide adequate ventilation. Use appropriate protective equipment. Do not breath dust, mist, or vapor.

Stop leak if without risk. Move containers form spill area. Dilute with water and mop up if water-soluble, or absorb with inert dry material and place in appropriate waste container. Dispose via licensed waste disposal.

Stop leak if without risk. Move containers from area. Approach from upwing. Prevent run off to water source, basements, sewers, or confined areas. Contain and collect spillage with non combustible, absorbent materials, sand, vermiculite, diatomic earth and dispose by local regulation. Use sark-proof tools and explosion roof equipment.

Section 7: Handling and Storage

Use appropriate personal protective equipment. No eating, drinking, or smoking in areas of use. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Avoid exposure during pregnancy. Do not ingest.

Use adequate ventilation or respirator. Keep in approriate container avoiding open flames, sparks or other ignition sources. Use explosion proof equipment and non sparking tools. Use proper grounding procedures.

Store in designated flammable liquid storage areas. Protect from direct sunlight in dry, cool ventilated areas. Keep food and drink away from area. Eliminate all ignition sources. Opened containers must be carefully resealed and kept upright.

Do not use unlabled containers. Use appropriate containment.

Section 8: Exposure Controls/ Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylenopolyamines 68410-23-1</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>ISOBUTANOL 78-83-1</td>
<td>100 ppm TWA; 300 mg/m3 TWA</td>
<td>50 ppm TWA</td>
<td>NIOSH: 50 ppm TWA; 150 mg/m3 TWA</td>
</tr>
<tr>
<td>* 1,2,4-TRIMETHYL BENZENE 95-63-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m3 TWA</td>
</tr>
<tr>
<td>Titanium Dioxide Colorant 13463-67-7</td>
<td>15 mg/m3 TWA (total dust)</td>
<td>10 mg/m3 TWA</td>
<td>Not Established</td>
</tr>
<tr>
<td>Substance</td>
<td>STEL</td>
<td>TWA</td>
<td>NIOSH:</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-------------------------------</td>
<td>----------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone 78-93-3</td>
<td>300 ppm STEL 200 ppm TWA</td>
<td>200 ppm TWA</td>
<td>200 ppm TWA; 590 mg/m3 TWA</td>
</tr>
<tr>
<td>Benzene,1,2,5-trimethyl 526-73-8</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m3</td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl 108-67-8</td>
<td>Not Established</td>
<td>Not Established</td>
<td>NIOSH: 25 ppm TWA; 125 mg/m3</td>
</tr>
<tr>
<td>Mixed Xylenes 1330-20-7</td>
<td>100 ppm TWA; 435 mg/m3 TWA</td>
<td>150 ppm STEL</td>
<td>Not Established</td>
</tr>
<tr>
<td>Cumene 98-82-8</td>
<td>50 ppm TWA; 245 mg/m3 TWA</td>
<td>50 ppm TWA</td>
<td>NIOSH: 50 ppm TWA; 245 mg/m3</td>
</tr>
<tr>
<td>2-ETHYL BENZENE 100-41-4</td>
<td>100 ppm TWA; 435 mg/m3 TWA</td>
<td>20 ppm TWA</td>
<td>NIOSH: 100 ppm TWA; 435 mg/m3</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0% 14808-60-7</td>
<td>.05 mg/m3 TWA</td>
<td>0.025 mg/m3 TWA (respirable fraction)</td>
<td>NIOSH: 0.05 mg/m3 TWA (respirable dust)</td>
</tr>
</tbody>
</table>

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants above statutory limits. Use appropriate controls to keep concentration below explosive limits.

Ensure adequate ventilation by standard emission testing procedures. Use appropriate respiratory equipment when needed. Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied mask as needed. Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available. Wash contaminated gear and clothing before reuse.

**Section 9: Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>14.1 mmHg@20°C</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.3</td>
</tr>
<tr>
<td>DENSITY</td>
<td>11.47</td>
</tr>
<tr>
<td>Freezing point</td>
<td>N/A</td>
</tr>
<tr>
<td>Boiling range</td>
<td>80°C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor</td>
<td>N/A</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting point</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash point</td>
<td>25 F,-4 C</td>
</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Coating VOC Lb/Gal</td>
<td>2.19</td>
</tr>
</tbody>
</table>

**Section 10: Stability and Reactivity**

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.
Do not expose to strong oxidizing agents, strong acids, or alapehtic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

**Section 11: Toxicological Information**

**Mixture Toxicity**

**Inhalation Toxicity** LC50: 147mg/L

**Routes of Entry:**

- Inhalation
- Skin Contact
- Eye Contact
- Ingestion

Exposure to this material may affect the following organs:

- Blood
- Eyes
- Lungs
- Central Nervous System
- Skin
- Respiratory System

**Effects of Overexposure**

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>0.2</td>
<td>Microcrystalline silica 98.5-99.0%: NIOSH: potential occupational carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IARC: Human carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA: listed</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide Colorant</td>
<td>4</td>
<td>Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IARC: Possible human carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA: listed</td>
</tr>
<tr>
<td>100-41-4</td>
<td>2-ETHYL BENZENE</td>
<td>0.3</td>
<td>2-ETHYL BENZENE: IARC: Possible human carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA: listed</td>
</tr>
<tr>
<td>98-82-8</td>
<td>Cumene</td>
<td>0.7</td>
<td>Cumene: IARC: Possible human carcinogen</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA: listed</td>
</tr>
</tbody>
</table>

**Section 12: Ecological Information**

No known significant effects or critical hazards.

**Component Ecotoxicity**

**ISOBUTANOL**

- 96 Hr LC50 Pimephales promelas: 1370 - 1670 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 375 mg/L [static] (fry); 96 Hr LC50 Lepomis macrochirus: 1480 - 1730 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 1120 - 1520 mg/L [flow-through]
- 48 Hr EC50 Daphnia magna: 1300 mg/L; 48 Hr EC50 Daphnia magna: 1070 - 1933 mg/L [Static]

**1,2,4-TRIMETHYL BENZENE**

- 96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]
- 48 Hr EC50 Daphnia magna: 6.14 mg/L

**Methyl Ethyl Ketone**

- 96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]
- 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]
Benzene, 1,3,5-trimethyl

96 Hr LC50 Pimephales promelas: 3.48 mg/L

Mixed Xylenes

96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 6.61 - 4.093 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]; 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

Cumene

96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: 5.1 mg/L [semi-static]; 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static]; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

2-ETHYL BENZENE

96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]; 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

Section 13: Disposal Considerations

Minimize the generation of waste whenever possible. Dispose by license waste disposal contractor. Comply with local, regional, and federal disposal regulations and legislation.

Section 14: Transport Information

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
<tr>
<td>IATA</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>

Section 15: Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- 14808-60-7 Microcrystalline silica 98.5-99.0% 0 %
- 100-41-4 2-ETHYL BENZENE 0 %
- 98-82-8 Cumene 1 %
- 13463-67-7 Titanium Dioxide Colorant 4 %

HAZARDOUS AIR POLLUTANTS

- 100-41-4 2-ETHYL BENZENE
- 98-82-8 Cumene
- 1330-20-7 Mixed Xylenes
HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS
- None

MASSACHUSETTS RIGHT TO KNOW
14808-60-7 Microcrystalline silica 98.5-99.0% 0 %
100-41-4 2-ETHYL BENZENE 0 %
98-82-8 Cumene 1 %
1330-20-7 Mixed Xylenes 1 %
108-67-8 Benzene,1,3,5-trimethyl 2 %
78-93-3 Methyl Ethyl Ketone 2 %
13463-67-7 Titanium Dioxide Colorant 4 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 4 %
78-83-1 ISOBUTANOL 6 %

NEW JERSEY RIGHT TO KNOW
14808-60-7 Microcrystalline silica 98.5-99.0% 0 %
100-41-4 2-ETHYL BENZENE 0 %
98-82-8 Cumene 1 %
1330-20-7 Mixed Xylenes 1 %
78-93-3 Methyl Ethyl Ketone 2 %
13463-67-7 Titanium Dioxide Colorant 4 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 4 %
78-83-1 ISOBUTANOL 6 %

PENNSYLVANIA RIGHT TO KNOW
14808-60-7 Microcrystalline silica 98.5-99.0% 0 %
100-41-4 2-ETHYL BENZENE 0 %
98-82-8 Cumene 1 %
1330-20-7 Mixed Xylenes 1 %
78-93-3 Methyl Ethyl Ketone 2 %
13463-67-7 Titanium Dioxide Colorant 4 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 4 %
78-83-1 ISOBUTANOL 6 %
- None

CHEMICAL LIST FOR SARA 311
1330-20-7 Mixed Xylenes

14808-60-7 Microcrystalline silica 98.5-99.0%
98-82-8 Cumene
1330-20-7 Mixed Xylenes
526-73-8 Benzene,1,2,5-trimethyl
78-93-3 Methyl Ethyl Ketone
78-83-1 ISOBUTANOL

CHEMICAL LIST FOR SARA 313
100-41-4 2-ETHYL BENZENE
1330-20-7 Mixed Xylenes
95-63-6 * 1,2,4-TRIMETHYL BENZENE

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**EU Risk Phrases**

**Safety Phrase**

- None

---

**Section 16: Other Information**

HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

**Hazardous Material Information System (HMIS)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Hazard Rating</th>
<th>Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>1</td>
<td>G</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>G</td>
<td></td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating

* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

**National Fire Protection Association (NFPA)**

- Flammability
- Health
- Instability
- Special

The information provided herein was believed by Induron Protective Coating to be accurate and reliable, but the user is responsible to comply with all laws and procedures whether included or not. Induron makes no warranty expressed or implied concerning the accuracy of the information except the product will comply with Induron specifications.

Date Prepared: 8/2/2016

Reviewer Revision
SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: TL70 EPOXY ACTIVATOR, PART B   Product Code: Q4-1070
Manufacturer's Name: Induron Protective Coatings, LLC
Address: 3333 Richard Arrington Blvd. N.
Birmingham, Alabama 35234
Emergency Phone: 1-800-424-9300
Information Phone: (205)324-9584

Section 2: Composition / Information on Ingredients

GHS Ratings:
- Flammable liquid 2  Flash point < 23°C and initial boiling point > 35°C (95°F)
- Dermal Toxicity Acute Tox. 3  Dermal>200+<=1000mg/kg
- Skin corrosive 2  Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
- Eye corrosive 2A  Eye irritant: Subcategory 2A, Reversible in 21 days
- Skin sensitizer 1  Skin sensitizer

GHS Hazards
- H225  Highly flammable
- H311  Toxic in contact with skin
- H315  Causes skin irritation
- H317  May cause an allergic skin reaction
- H319  Causes serious eye irritation

GHS Precautions
- P210  Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- P233  Keep container tightly closed.
- P240  Ground/bond container and receiving equipment.
- P241  Use explosion-proof electrical equipment.
- P242  Use only non-sparking tools.
- P243  Take precautionary measures against static discharge.
- P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264  Wash equipment and contaminated skin thoroughly after handling.
- P272  Contaminated work clothing should not be allowed out of the workplace.
- P280  Wear protective gloves/protective clothing/eye protection/face protection.
- P312  Call a POISON CENTER or doctor/physician if you feel unwell
- P313  If exposure or infection occurs: Get medical advice/attention
- P314  If skin irritation occurs: Get medical advice/attention
- P315  If skin irritation or a rash occurs: Get medical advice/attention
- P361  Remove/Take off immediately all contaminated clothing
- P362  Take off contaminated clothing and wash before reuse
- P363  Wash contaminated clothing before reuse
- P364  IF ON SKIN: Wash with soap and water
- P365  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
- P366  Rinse skin with water/shower
- P367  IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
- P368  If skin irritation occurs: Get medical advice/attention
- P369  If skin irritation or a rash occurs: Get medical advice/attention
- P370  In case of fire: Use CO2, water spray, foam, or dry chemical to extinguish.
- P405  Store locked up
- P406  Store in a well ventilated place. Keep cool
Dispose of contents/container in accordance to appropriate regulations and laws.

**Signal Word: Danger**

This product can be a skin and eye sensitizer. The material should washed from skin or flushed from eyes immediately. Contaminated clothing should be removed. Wear proper protective equipment. Any other acute toxicalogical information can be found in section 11.

Approximately 2% of the population can develop skin sensitivity with increasing inflammation and allergic reactions with repeated exposure.

### Section 3: Hazards Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diglycidyl Ether of Bisphenol A</td>
<td>25068-38-6</td>
<td>80.00% - 90.00%</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>n-BUTYL ACETATE</td>
<td>123-86-4</td>
<td>5.00% - 10.00%</td>
</tr>
</tbody>
</table>

### Section 4: First Aid Measures

Move the exposed person to fresh air. If vapors are still present the rescuer should wear the appropriate mask. If breathing is irregular or arrest occurs use artificial respiration by trained personnel. Loosen tight fitting clothing, Get medical aid immediately.

Immediately flush eyes with plenty of water for at least 15 minutes. Regularly lift upper and lower eyelids during flushing. Remove contact lenses. Get medical aid.

Flush contaminated skin with water. Remove contaminated cloths, avoiding skin contact while doing so. Get medical attention. Clean contaminated skin.

Wash mouth out thoroughly. Do not induce vomiting unless directed by medical personnel. Get medical attention.

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.

### Section 5: Fire Fighting Measures

Flash Point: -4 C (24 F)

LEL: 1.00 UEL: 8.00

For flammable liquid: Can burst from pressure if in sealed container and heated, with risk of subsequent explosion. Vapors are heavier than air, can spread on ground and collect in low lying areas. Runoff to a collection area can create a fire or explosion hazard.

Dry Chemical, CO2, water spray(fog), or foam. Do not use water jet.

Isolate scene removing persons not trained if there is a fire. Move containers from fire area if there is no risk. Use water spray to keep fire exposed containers cool.

Decomposition products man include the following materials: Carbon Oxides.

Fire fighters should wear appropriate protective equipment and wel-contain breathing apparatus.

Use dry chemical, CO2, water spray(fog) or foam. Do not use water jet.

### Section 6: Accidental Release Measures

No action should be taken with untrained personnel. Evacuate surrounding areas. Do not touch or walk through spill.

Shut off all ignition sources. Provide adequate ventilation. Use appropriate protective equipment. Do not breath dust, mist, or vapor.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble, or absorb with inert dry material and place in appropriate waste container. Dispose via licensed waste disposal.

Stop leak if without risk. Move containers from area. Approach from upwing. Prevent run off to water source, basements, sewers, or confined areas. Contain and collect spillage with non combustible, absorbent materials.
Section 7: Handling and Storage

Use appropriate personal protective equipment. No eating, drinking, or smoking in areas of use. Persons with a history of skin sensitization should not be employed in any process in which this product is used. Avoid exposure during pregnancy. Do not ingest. Use adequate ventilation or respirator. Keep in airtight container avoiding open flames, sparks or other ignition sources. Use explosion proof equipment and non sparking tools. Use proper grounding procedures.

Store in designated flammable liquid storage areas. Protect from direct sunlight in dry, cool ventilated areas. Keep food and drink away from area. Eliminate all ignition sources. Opened containers must be carefully resealed and kept upright.

Do not use unlabeled containers. Use appropriate containment.

Section 8: Exposure Controls/ Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diglycidyl Ether of Bisphenol A 25068-38-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone 78-93-3</td>
<td>200 ppm TWA; 590 mg/m3 TWA</td>
<td>300 ppm STEL 200 ppm TWA</td>
<td>NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL</td>
</tr>
<tr>
<td>n-BUTYL ACETATE 123-86-4</td>
<td>150 ppm TWA; 710 mg/m3 TWA</td>
<td>200 ppm STEL 150 ppm TWA</td>
<td>NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL</td>
</tr>
</tbody>
</table>

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants. Ensure adequate ventilation by standard emission testing procedures. Use appropriate respiratory equipment when needed.

Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied mask as needed.

Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available.

Wash contaminated gear and clothing before reuse.

Section 9: Physical and Chemical Properties

- **Viscosity:** N/A
- **Appearance:** N/A
- **Vapor Pressure:** 12.3 mmHg
- **Vapor Density:** 3.0
- **Density:** 0.97
- **Freezing point:** N/A
- **Boiling range:** 80°C
- **Evaporation rate:** N/A
- **Explosive Limits:** N/A
- **Autoignition temperature:** N/A
- **Coating VOC Lb/Gal:** 1.72
- **Odor:** N/A
- **Odor threshold:** N/A
- **pH:** N/A
- **Melting point:** N/A
- **Solubility:** N/A
- **Flash point:** 24 F, -4 C
- **Flammability:** N/A
- **Partition coefficient (n-octanol/water):**
- **Decomposition temperature:** N/A

Section 10: Stability and Reactivity

These materials are stable. Under normal conditions of storage and use hazardous reactions or polymerization will not occur. Avoid all source of ignitions, sparks or flames. Do not allow vapor to accumulate in low lying areas.

STABLE
Do not expose to strong oxidizing agents, strong acids, or aliphatic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

### Section 11: Toxicological Information

**Mixture Toxicity**

Dermal Toxicity LD50: 245mg/kg
Inhalation Toxicity LC50: 4,696mg/L

**Routes of Entry:**

Exposure to this material may affect the following organs:

- Eyes
- Central Nervous System
- Skin
- Respiratory System

**Effects of Overexposure**

**Carcinogenicity:** The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td></td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Section 12: Ecological

No known significant effects or critical hazards.

**Component Ecotoxicity**

- **Methyl Ethyl Ketone**
  - 96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]
  - 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]

- **n-BUTYL ACETATE**
  - 96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through]
  - 72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L

### Section 13: Disposal Considerations

Minimize the generation of waste whenever possible. Dispose by license waste disposal contractor. Comply with local, regional, and federal disposal regulations.

### Section 14: Transport Information

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
<tr>
<td>IATA</td>
<td>PAINT</td>
<td>1263</td>
<td>II</td>
<td>3</td>
</tr>
</tbody>
</table>

### Section 15: Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

- None

HAZARDOUS AIR POLLUTANTS

- None
HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS
- None

MASSACHUSETTS RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 5 to 10 %
78-93-3 Methyl Ethyl Ketone 10 to 20 %

NEW JERSEY RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 5 to 10 %
78-93-3 Methyl Ethyl Ketone 10 to 20 %

PENNSYLVANIA RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 5 to 10 %
78-93-3 Methyl Ethyl Ketone 10 to 20 %

- None

CHEMICAL LIST FOR SARA 311
- None

CHEMICAL LIST FOR SARA 311/312
78-93-3 Methyl Ethyl Ketone

CHEMICAL LIST FOR SARA 313
- None

<table>
<thead>
<tr>
<th>Country</th>
<th>Regulation</th>
<th>All Components Listed</th>
</tr>
</thead>
</table>

**EU Risk Phrases**

**Safety Phrase**

- None

**Section 16: Other Information**

HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

**Hazardous Material Information System (HMIS)**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>1</td>
<td>G</td>
</tr>
</tbody>
</table>

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

**National Fire Protection Association (NFPA)**

Flammability

Health

Instability

Special

The information provided herein was believed by Induron Protective Coating to be accurate and reliable, but the user is responsible to comply with all

Reviewer Revision

Date Prepared: 11/3/2016