Section 1: Manufacturer's Identification

Product Name: PE-70 & RC-70 EPOXY AQUAWHITE PART A    Product Code: A-1870
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>Property</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Dermal Toxicity</td>
<td>Acute Tox. 3</td>
<td>Dermal&gt;=200&lt;=1000mg/kg</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>2</td>
<td>Reversible adverse effects in dermal tissue, Draize score: &gt;= 2.3 &lt; 4.0 or persistent inflammation</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>2A</td>
<td>Eye irritant: Subcategory 2A, Reversible in 21 days</td>
</tr>
<tr>
<td>Skin sensitizer</td>
<td>1</td>
<td>Skin sensitizer</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1A</td>
<td>Known Human Carcinogen Based on human evidence</td>
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<tr>
<td>Reproductive toxin</td>
<td>1B</td>
<td>Presumed, Based on experimental animals</td>
</tr>
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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
- 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.
- 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
- P312 Call a POISON CENTER or doctor/physician if you feel unwell
- P321 Wash contaminated skin, follow Physician's instructions for treatment.
- P322 Specific measures Remove contaminated clothing and protective equipment.
- P361 Remove/Take off immediately all contaminated clothing
- P362 Take off contaminated clothing and wash before reuse
- P363 Wash contaminated clothing before reuse
- 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
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P332+P313 If skin irritation occurs: Get medical advice/attention
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P337+P313 Get medical advice/attention
P370+P378 In case of fire: Use CO2, water spray, foam, or dry chemical to extinguish.
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 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 inflamation 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>30.00% - 40.00%</td>
</tr>
<tr>
<td>Titanium Dioxide Colorant</td>
<td>13463-67-7</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</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>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Mixed Xylenes</td>
<td>1330-20-7</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>2-ETHYL BENZENE</td>
<td>100-41-4</td>
<td>0.10% - 1.00%</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 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

<table>
<thead>
<tr>
<th>Flash Point:</th>
<th>-5 C (24 F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEL:</td>
<td>1.00</td>
</tr>
<tr>
<td>UEL:</td>
<td>8.00</td>
</tr>
</tbody>
</table>

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 may include the following materials: Carbon Oxides.

Fire fighters should wear appropriate protective equipment and wear-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 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 upwind. 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 appropriate 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>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>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>
<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>
<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>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>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>
</tbody>
</table>
Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering
controls to meet exposure to airborne contamines 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 traning 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>8.8 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.6</td>
</tr>
<tr>
<td>DENSITY</td>
<td>13.88</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>24 F, 5 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>1.83</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, strong acids, or aliphahtic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 3,213mg/kg
Dermal Toxicity LD50: 623mg/kg
Inhalation Toxicity LC50: 1,681mg/L

Routes of Entry:
Ingestion

Exposure to this material may affect the following organs:

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>
</table>

SDS for: A-1870

Printed: 8/10/2016 at 10:19:30AM
Section 13: Ecological

No known significant effects or critical hazards.

Component Ecotoxicity

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

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]

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 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 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

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
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:

100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
14808-60-7  Microcrystalline silica 98.5-99.0%  10 to 20 %
13463-67-7  Titanium Dioxide Colorant  30 to 40 %

HAZARDOUS AIR POLLUTANTS
100-41-4  2-ETHYL BENZENE
1330-20-7  Mixed Xylenes

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS
- None

MASSACHUSETTS RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
1330-20-7  Mixed Xylenes  1 to 5 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
123-86-4  n-BUTYL ACETATE  5 to 10 %
14808-60-7  Microcrystalline silica 98.5-99.0%  10 to 20 %
13463-67-7  Titanium Dioxide Colorant  30 to 40 %

NEW JERSEY RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
1330-20-7  Mixed Xylenes  1 to 5 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
123-86-4  n-BUTYL ACETATE  5 to 10 %
14808-60-7  Microcrystalline silica 98.5-99.0%  10 to 20 %
13463-67-7  Titanium Dioxide Colorant  30 to 40 %

PENNSYLVANIA RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
1330-20-7  Mixed Xylenes  1 to 5 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
123-86-4  n-BUTYL ACETATE  5 to 10 %
14808-60-7  Microcrystalline silica 98.5-99.0%  10 to 20 %
13463-67-7  Titanium Dioxide Colorant  30 to 40 %

- None

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

1330-20-7  Mixed Xylenes
78-93-3  Methyl Ethyl Ketone
14808-60-7  Microcrystalline silica 98.5-99.0%

CHEMICAL LIST FOR SARA 313
100-41-4  2-ETHYL BENZENE
1330-20-7  Mixed Xylenes

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

**Country**  **Regulation**  **All Components Listed**
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>*</td>
<td>1</td>
<td>0</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 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: 8/10/2016

Reviewer Revision
SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: PE-70 & RC-70 EPOXY TAN PART A  Product Code: H-7770
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

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<td>&gt;= 2.3 &lt; 4.0 or persistent inflammation</td>
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<td>2A</td>
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<td>Skin sensitizer</td>
<td>1</td>
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</tr>
<tr>
<td>Carcinogen</td>
<td>1A</td>
<td>Known Human Carcinogen Based on human evidence</td>
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<td>Reproductive toxin</td>
<td>1B</td>
<td>Presumed, Based on experimental animals</td>
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<td>H225</td>
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<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
</tbody>
</table>

GHS Precautions

<table>
<thead>
<tr>
<th></th>
<th>Precaution</th>
</tr>
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<tbody>
<tr>
<td>P201</td>
<td>Obtain special instructions before use</td>
</tr>
<tr>
<td>P202</td>
<td>Do not handle until all safety precautions have been read and understood</td>
</tr>
<tr>
<td>P210</td>
<td>Keep away from heat/sparks/open flames/hot surfaces - No smoking.</td>
</tr>
<tr>
<td>P233</td>
<td>Keep container tightly closed.</td>
</tr>
<tr>
<td>P240</td>
<td>Ground/bond container and receiving equipment.</td>
</tr>
<tr>
<td>P241</td>
<td>Use explosion-proof electrical equipment.</td>
</tr>
<tr>
<td>P242</td>
<td>Use only non-sparking tools.</td>
</tr>
<tr>
<td>P243</td>
<td>Take precautionary measures against static discharge.</td>
</tr>
<tr>
<td>P261</td>
<td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td>
</tr>
<tr>
<td>P264</td>
<td>Wash equipment and contaminated skin thoroughly after handling.</td>
</tr>
<tr>
<td>P272</td>
<td>Contaminated work clothing should not be allowed out of the workplace.</td>
</tr>
<tr>
<td>P280</td>
<td>Wear protective gloves/protective clothing/eye protection/face protection.</td>
</tr>
<tr>
<td>P281</td>
<td>Use personal protective equipment as required</td>
</tr>
<tr>
<td>P312</td>
<td>Call a POISON CENTER or doctor/physician if you feel unwell</td>
</tr>
<tr>
<td>P321</td>
<td>Wash contaminated skin, follow Physican's instructions for treatment.</td>
</tr>
<tr>
<td>P322</td>
<td>Specific measures Remove contaminated clothing and protective equipment.</td>
</tr>
<tr>
<td>P361</td>
<td>Remove/Take off immediately all contaminated clothing</td>
</tr>
<tr>
<td>P362</td>
<td>Take off contaminated clothing and wash before reuse</td>
</tr>
<tr>
<td>P363</td>
<td>Wash contaminated clothing before reuse</td>
</tr>
<tr>
<td>P302+P352</td>
<td>IF ON SKIN: Wash with soap and water</td>
</tr>
<tr>
<td>P303+P361+P353</td>
<td>IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.</td>
</tr>
<tr>
<td></td>
<td>Rinse skin with water/shower</td>
</tr>
</tbody>
</table>
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>
<tr>
<td>Diglycidyl Ether of Bisphenol A</td>
<td>25068-38-6</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Titanium Dioxide Colorant</td>
<td>13463-67-7</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>n-BUTYL ACETATE</td>
<td>123-86-4</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>2-ETHYL BENZENE</td>
<td>100-41-4</td>
<td>0.10% - 1.00%</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 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

**Flash Point:** -4 C (25 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
Decomposition products may include the following materials: Carbon Oxides.

Firefighters should wear appropriate protective equipment and use 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, 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 appropriate 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>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>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>
<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>
<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>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>
</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.

SDS for: H-7770

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Printed: 10/13/2016 at 10:09:35AM
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>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>9.3 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.6</td>
</tr>
<tr>
<td>DENSITY</td>
<td>13.64</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>Coating VOC Lb/Gal</td>
<td>1.83</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</td>
<td>n-octanol/water: N/A</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>N/A</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, 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**

- Oral Toxicity LD50: 2,717mg/kg
- Dermal Toxicity LD50: 612mg/kg
- Inhalation Toxicity LC50: 3,808mg/L

**Routes of Entry:**

- **Ingestion**

Exposure to this material may affect the following organs:

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

**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>
</table>
Section 13: Ecological
No known significant effects or critical hazards.

Component Ecotoxicity

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

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]

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:

- 100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
- 14808-60-7  Microcrystalline silica 98.5-99.0%  10 to 20 %
HAZARDOUS AIR POLLUTANTS
100-41-4 2-ETHYL BENZENE

HAZARDOUS SUBSTANCE/Chemicals/Pollutants
- None

Massachusetts Right to Know
100-41-4 2-ETHYL BENZENE 0.1 to 1.0%
78-93-3 Methyl Ethyl Ketone 1 to 5%
123-86-4 n-BUTYL ACETATE 10 to 20%
14808-60-7 Microcrystalline silica 98.5-99.0% 10 to 20%
13463-67-7 Titanium Dioxide Colorant 20 to 30%

New Jersey Right to Know
100-41-4 2-ETHYL BENZENE 0.1 to 1.0%
78-93-3 Methyl Ethyl Ketone 1 to 5%
123-86-4 n-BUTYL ACETATE 10 to 20%
14808-60-7 Microcrystalline silica 98.5-99.0% 10 to 20%
13463-67-7 Titanium Dioxide Colorant 20 to 30%

Pennsylvania Right to Know
100-41-4 2-ETHYL BENZENE 0.1 to 1.0%
78-93-3 Methyl Ethyl Ketone 1 to 5%
123-86-4 n-BUTYL ACETATE 10 to 20%
14808-60-7 Microcrystalline silica 98.5-99.0% 10 to 20%
13463-67-7 Titanium Dioxide Colorant 20 to 30%

- None

Chemical List for SARA 311
- None

Chemical List for SARA 311/312
78-93-3 Methyl Ethyl Ketone
14808-60-7 Microcrystalline silica 98.5-99.0%

Chemical List for SARA 313
100-41-4 2-ETHYL BENZENE

Country | Regulation | All Components Listed
--- | --- | ---
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>0</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: 10/13/2016

Reviewer Revision
SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: PE-70 & RC-70 EPOXY RED PART A    Product Code: H-6370
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>Category</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Acute Tox. 4</td>
<td>Oral &gt; 300+ &lt;= 2000 mg/kg</td>
</tr>
<tr>
<td>Dermal Toxicity</td>
<td>Acute Tox. 3</td>
<td>Dermal &gt; 200+ &lt;= 1000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>2</td>
<td>Reversible adverse effects in dermal tissue, Draize score: &gt;= 2.3 &lt; 4.0 or persistent inflammation</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1</td>
<td>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</td>
<td>Skin sensitizer</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1A</td>
<td>Known Human Carcinogen Based on human evidence</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>1B</td>
<td>Presumed, Based on experimental animals</td>
</tr>
</tbody>
</table>

GHS Hazards

- H225 Highly flammable
- H302 Harmful if swallowed
- H311 Toxic in contact with skin
- H315 Causes skin irritation
- 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.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash equipment and contaminated skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product
- 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
- P312 Call a POISON CENTER or doctor/physician if you feel unwell
- P321 Wash contaminated skin, follow Physician's instructions for treatment.
- P322 Specific measures Remove contaminated clothing and protective equipment.
- P330 Rinse mouth
- P361 Remove/Take off immediately all contaminated clothing
**Section 3: Hazards Identification**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
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<tbody>
<tr>
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<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>n-BUTYL ACETATE</td>
<td>123-86-4</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>RED IRON OXIDE COLORANT</td>
<td>1309-37-1</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>2-ETHYL BENZENE</td>
<td>100-41-4</td>
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No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been inhaled or ingested.

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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 breathe 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, sand, vermiculite, diatomic earth and dispose by local regulation. Use sark-proof tools and explosion roof equipment.

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Do not use unlabeled containers. Use appropriate containment.

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<thead>
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<tbody>
<tr>
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<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</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>
<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>
<tr>
<td>RED IRON OXIDE COLORANT 1309-37-1</td>
<td>10 mg/m³ TWA (fume); 15 mg/m³ TWA (total dust, listed under Rouge); 5 mg/m³ TWA (respirable fraction, listed under Rouge)</td>
<td>5 mg/m³ TWA (respirable fraction)</td>
<td>NIOSH: 5 mg/m³ TWA (dust and fume, as Fe)</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>
</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 masks. 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.

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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>N/A</td>
<td>Odor</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>N/A</td>
<td>Odor threshold</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>9.3 mmHg</td>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.6</td>
<td>Melting point</td>
<td>N/A</td>
</tr>
<tr>
<td>Density</td>
<td>13.11</td>
<td>Solubility</td>
<td>N/A</td>
</tr>
<tr>
<td>Freezing point</td>
<td>N/A</td>
<td>Flash point</td>
<td>25F, -4 C</td>
</tr>
<tr>
<td>Boiling range</td>
<td>80°C</td>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>N/A</td>
<td>Partition coefficient (n-octanol/water)</td>
<td>N/A</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>N/A</td>
<td>Decomposition temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>N/A</td>
<td></td>
<td></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 sources 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.

**Section 11: Toxicological Information**

**Mixture Toxicity**
- Oral Toxicity LD50: 1,732mg/kg
- Dermal Toxicity LD50: 588mg/kg
- Inhalation Toxicity LC50: 3,629mg/L

**Routes of Entry:**
- Ingestion

Exposure to this material may affect the following organs:
- 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>
</table>
2-ETHYL BENZENE: IARC: Possible human carcinogen
OSHA: listed

Microcrystaline silica 98.5-99.0%:
NIOSH: potential occupational carcinogen
IARC: Human carcinogen
OSHA: listed

Section 13: Ecological
No known significant effects or critical hazards.

Component Ecotoxicity

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

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]

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: 1.6 - 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.

Section 14: Transport Information

Agency | Proper Shipping Name | UN Number | Packing Group | Hazard Class
--- | --- | --- | --- | ---
DOT | PAINT | 1263 | II | 3
IATA | PAINT | 1263 | II | 3

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:

100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
14808-60-7  Microcrystaline silica 98.5-99.0%  20 to 30 %

HAZARDOUS AIR POLLUTANTS
100-41-4  2-ETHYL BENZENE

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS
- None
MASSACHUSETTS RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
1309-37-1  RED IRON OXIDE COLORANT  5 to 10 %
123-86-4  n-BUTYL ACETATE  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  20 to 30 %

NEW JERSEY RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
1309-37-1  RED IRON OXIDE COLORANT  5 to 10 %
123-86-4  n-BUTYL ACETATE  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  20 to 30 %

PENNSYLVANIA RIGHT TO KNOW
100-41-4  2-ETHYL BENZENE  0.1 to 1.0 %
78-93-3  Methyl Ethyl Ketone  1 to 5 %
1309-37-1  RED IRON OXIDE COLORANT  5 to 10 %
123-86-4  n-BUTYL ACETATE  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  20 to 30 %

- None

CHEMICAL LIST FOR SARA 311
- None

78-93-3  Methyl Ethyl Ketone
14808-60-7  Microcrystalline silica 98.5-99.0%

CHEMICAL LIST FOR SARA 313
100-41-4  2-ETHYL BENZENE

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

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>0</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

SDS for: H-6370
SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: PE-70 EPOXY ACTIVATOR PART B   Product Code: Q-1970
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></th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Acute Tox. 4</td>
<td>Oral&gt;300+&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>1C</td>
<td>Destruction of dermal tissue: Exposure &lt; 4 hours, Observation &lt; 14 days, visible necrosis in at least one animal</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1</td>
<td>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</td>
<td>Skin sensitizer</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1A</td>
<td>Known Human Carcinogen Based on human evidence</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>1B</td>
<td>Presumed, Based on experimental animals</td>
</tr>
</tbody>
</table>

GHS Hazards

- H225 Highly flammable
- H302 Harmful if swallowed
- 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.
- P270 Do not eat, drink or smoke when using this product
- 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.
- P330 Rinse mouth
- P363 Wash contaminated clothing before reuse
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P302+P352 IF ON SKIN: Wash with soap and water
Section 3: Hazards Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microcrystalline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Talc (hydrous magnesium silicate)</td>
<td>14807-96-6</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with</td>
<td>68410-23-1</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>polyethylenepolyamines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>*1,2,4-TRIMETHYL BENZENE</td>
<td>95-63-6</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>ISOBUTANOL</td>
<td>78-83-1</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Benzene,1,2,5-trimethyl</td>
<td>526-73-8</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl</td>
<td>108-67-8</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>112-24-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>0.10% - 1.00%</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

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

SDS for: Q-1970
Section 5: Fire Fighting Measure:

Flash Point: -4 C (25 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>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>
<tr>
<td>Talc (hydrous magnesium silicate) 14807-96-6</td>
<td>Not Established</td>
<td>2 mg/m3 TWA (particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction)</td>
<td>NIOSH: 2 mg/m3 TWA (containing no Asbestos and &lt;1% Quartz, respirable dust)</td>
</tr>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines 68410-23-1</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>* 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>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>Chemical</td>
<td>PEL*</td>
<td>IDLH</td>
<td>NIOSH TWA</td>
</tr>
<tr>
<td>------------------------------</td>
<td>-------</td>
<td>-------</td>
<td>----------------</td>
</tr>
<tr>
<td>Benzene, 1,2,5-trimethyl</td>
<td>Not E</td>
<td>Not E</td>
<td>25 ppm TWA;</td>
</tr>
<tr>
<td>526-73-8</td>
<td></td>
<td></td>
<td>125 mg/m³ TWA</td>
</tr>
<tr>
<td>Benzene, 1,3,5-trimethyl</td>
<td>Not E</td>
<td>Not E</td>
<td>25 ppm TWA;</td>
</tr>
<tr>
<td>108-67-8</td>
<td></td>
<td></td>
<td>125 mg/m³ TWA</td>
</tr>
<tr>
<td>Triethylenetetraamine</td>
<td>Not E</td>
<td>Not E</td>
<td>Not Established</td>
</tr>
<tr>
<td>112-24-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene</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>98-82-8</td>
<td></td>
<td></td>
<td></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.

Wear splash proof goggles.

Wash cloths before reuse.

Dispose of contaminated shoes.

### Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>27.3 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.3</td>
</tr>
<tr>
<td>DENSITY</td>
<td>12.54</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>
</tbody>
</table>

### Coating VOC Lb/Gal

- 2.53

### Odor

- N/A

### Odor threshold

- N/A

### pH

- N/A

### Melting point

- N/A

### Solubility

- N/A

### Flash point

- 25 F, -4 C

### Flammability

- N/A

### Partition coefficient (n-octanol/water)

- N/A

### 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 or strong acids.
Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

### Section 11: Toxicological Information

#### Mixture Toxicity

- **Oral Toxicity** LD50: 1,180mg/kg
- **Inhalation Toxicity** LC50: 177mg/L

#### Routes of Entry:

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Skin Contact</th>
<th>Eye Contact</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood</td>
<td>Eyes</td>
<td>Lungs</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>Respiratory System</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Exposure to this material may affect the following organs:

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

#### Effects of Overexposure

<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>30 to 40%</td>
<td>Microcrystalline silica 98.5-99.0%: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed</td>
</tr>
<tr>
<td>98-82-8</td>
<td>Cumene</td>
<td>.1 to 1.0%</td>
<td>Cumene: IARC: Possible human carcinogen OSHA: listed</td>
</tr>
</tbody>
</table>

### Section 12: Ecological Information

None available.

#### Component Ecotoxicity

- **Talc (hydrous magnesium silicate)**
  - 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]

- **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]

- **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

- **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]

- **Benzene,1,3,5-trimethyl**
  - 96 Hr LC50 Pimephales promelas: 3.48 mg/L

- **Triethylenetetraamine**
  - 96 Hr LC50 Poecilia reticulata: 570 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 495 mg/L
  - 48 Hr EC50 Daphnia magna: 31.1 mg/L
  - 72 Hr EC50 Desmodesmus subspicatus: 2.5 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 20 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 3.7 mg/L
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:

- 98-82-8 Cumene 0.1 to 1.0%
- 14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40%

HAZARDOUS AIR POLLUTANTS

- 98-82-8 Cumene

MASSACHUSETTS RIGHT TO KNOW

- 98-82-8 Cumene 0.1 to 1.0%
- 112-24-3 Triethylenetetraamine 1 to 5%
- 108-67-8 Benzene, 1,3,5-trimethyl 1 to 5%
- 78-83-1 ISOBUTANOL 1 to 5%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5%
- 78-93-3 Methyl Ethyl Ketone 5 to 10%
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20%
- 14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40%

NEW JERSEY RIGHT TO KNOW

- 98-82-8 Cumene 0.1 to 1.0%
- 112-24-3 Triethylenetetraamine 1 to 5%
- 78-83-1 ISOBUTANOL 1 to 5%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5%
- 78-93-3 Methyl Ethyl Ketone 5 to 10%
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20%
- 14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40%

 PENNSYLVANIA RIGHT TO KNOW

- 98-82-8 Cumene 0.1 to 1.0%
- 112-24-3 Triethylenetetraamine 1 to 5%
- 78-83-1 ISOBUTANOL 1 to 5%
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5%
- 78-93-3 Methyl Ethyl Ketone 5 to 10%
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20%
## CHEMICAL LIST FOR SARA 311/312
- 98-82-8 Cumene
- 526-73-8 Benzene, 1,2,5-trimethyl
- 78-83-1 ISOBUTANOL
- 78-93-3 Methyl Ethyl Ketone
- 14808-60-7 Microcrystalline silica 98.5-99.0%

## CHEMICAL LIST FOR SARA 313
- 95-63-6 * 1,2,4-Trimethyl Benzene

### Section 16: Other Information

**HMIS and NAFTA rating**

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

**Legend**

- **HEALTH**
  - * = Chronic Health Hazard
  - 1 = INSIGNIFICANT
  - 2 = SLIGHT
  - 3 = MODERATE
  - 4 = HIGH

- **FLAMMABILITY**
  - 0 = INFLAMMABLE
  - 1 = HIGHLY FLAMMABLE
  - 2 = MODERATELY FLAMMABLE
  - 3 = SLIGHTLY FLAMMABLE
  - 4 = NON-FLAMMABLE

- **PHYSICAL HAZARD**
  - 0 = NON-HAZARDOUS
  - 1 = MILDLY HAZARDOUS
  - 2 = MODERATELY HAZARDOUS
  - 3 = SEVERELY HAZARDOUS
  - 4 = EXTREMELY HAZARDOUS

- **PERSONAL PROTECTION**
  - G = NONE
  - R = RESPIRATORY
  - S = SKIN

- **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:** 9/28/2016

**Reviewer Revision**
Section 1: Manufacturer's Identification

Product Name: RC-70 EPOXY ACTIVATOR PART B  Product Code: Q-1870
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>Hazard Class</th>
<th>Rating</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquid</td>
<td>2</td>
<td>Flash point &lt; 23°C and initial boiling point &gt; 35°C (95°F)</td>
</tr>
<tr>
<td>Oral Toxicity</td>
<td>Acute Tox. 4</td>
<td>Oral&gt;300+&lt;=2000mg/kg</td>
</tr>
<tr>
<td>Skin corrosive</td>
<td>1C</td>
<td>Destruction of dermal tissue: Exposure &lt; 4 hours. Observation &lt; 14 days, visible necrosis in at least one animal</td>
</tr>
<tr>
<td>Eye corrosive</td>
<td>1</td>
<td>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</td>
<td>Skin sensitizer</td>
</tr>
<tr>
<td>Mutagen</td>
<td>1B</td>
<td>Known to produce heritable mutations in human germ cells. Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity</td>
</tr>
<tr>
<td>Carcinogen</td>
<td>1A</td>
<td>Known Human Carcinogen Based on human evidence</td>
</tr>
<tr>
<td>Reproductive toxin</td>
<td>1A</td>
<td>Based on human evidence</td>
</tr>
</tbody>
</table>

GHS Hazards

<table>
<thead>
<tr>
<th>Hazard Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H225</td>
<td>Highly flammable</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H340</td>
<td>May cause genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
</tbody>
</table>

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.
- P270: Do not eat, drink or smoke when using this product
- 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.
P330 Rinse mouth
P363 Wash contaminated clothing before reuse
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
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
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P333 IF exposed or concerned: Get medical advice/attention
P370+P378 In case of fire: Use CO2, water spray, foam, or dry chemical to extinguish.
P405 Store locked up
P403+P235 Store in a well ventilated place. Keep cool
P501 Dispose of contents/container in accordance to appropriate regulations and laws.

Signal Word: Danger

Section 3: Hazards Identification

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microcrystaline silica 98.5-99.0%</td>
<td>14808-60-7</td>
<td>30.00% - 40.00%</td>
</tr>
<tr>
<td>Talc (hydrous magnesium silicate)</td>
<td>14807-96-6</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines</td>
<td>68410-23-1</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>78-93-3</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>* 1,2,4-TRIMETHYL BENZENE</td>
<td>95-63-6</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>ISOBUTANOL</td>
<td>78-83-1</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Benzene,1,2,5-trimethyl</td>
<td>526-73-8</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl</td>
<td>108-67-8</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Triethylenetetramine</td>
<td>112-24-3</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>0.10% - 1.00%</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>0.10% - 1.00%</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

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.

SDS for: Q-1870

Page 2 of 7
Printed: 9/28/2016 at 9:20:05AM
Section 5: Fire Fighting Measure:
Flash Point: -4 C (25 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>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>
<tr>
<td>Talc (hydrous magnesium silicate) 14807-96-6</td>
<td>Not Established</td>
<td>2 mg/m3 TWA (particulate matter containing no asbestos and &lt;1% crystalline silica, respirable fraction)</td>
<td>NIOSH: 2 mg/m3 TWA (containing no Asbestos and &lt;1% Quartz, respirable dust)</td>
</tr>
<tr>
<td>Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines 68410-23-1</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>* 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>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>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>Triethylenetetramine 112-24-3</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>1000 ppm TWA; 1900 mg/m3 TWA</td>
<td>1000 ppm STEL</td>
<td>NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA</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.

Wear splash proof goggles.

Wash cloths before reuse. Dispose of contaminated shoes.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>28.1 mmHg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3.2</td>
</tr>
<tr>
<td>DENSITY</td>
<td>12.47</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>Coating VOC Lb/Gal</td>
<td>2.59</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>Partition coefficient</td>
<td>N/A</td>
</tr>
<tr>
<td>Octanol/water</td>
<td>N/A</td>
</tr>
<tr>
<td>Flammability</td>
<td>N/A</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>N/A</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

Oral Toxicity LD50: 1,203mg/kg
Inhalation Toxicity LC50: 180mg/L

Routes of Entry:

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

Exposure to this material may affect the following organs:

Blood | Eyes | Liver | Lungs | Central Nervous System | Reproductive System | Skin | Cardiovascular System | Respiratory System |

Effects of Overexposure

| CAS Number | Description | % Weight | Carcinogen Rating |
|------------|-------------|----------|-------------------|---------------------|
### Section 12: Ecological Information

None available.

<table>
<thead>
<tr>
<th>Component</th>
<th>Ecotoxicity</th>
<th>EC50/IC50/LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc (hydrous magnesium silicate)</td>
<td>96 Hr LC50 Brachydanio rerio: &gt;100 g/L [semi-static]</td>
<td></td>
</tr>
<tr>
<td>Methyl Ethyl Ketone</td>
<td>96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]; 48 Hr EC50 Daphnia magna: &gt;520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]</td>
<td></td>
</tr>
<tr>
<td>* 1,2,4-TRIMETHYL BENZENE</td>
<td>96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]; 48 Hr EC50 Daphnia magna: 6.14 mg/L</td>
<td></td>
</tr>
<tr>
<td>ISOBUTANOL</td>
<td>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]</td>
<td></td>
</tr>
<tr>
<td>Benzene,1,3,5-trimethyl</td>
<td>96 Hr LC50 Pimephales promelas: 3.48 mg/L</td>
<td></td>
</tr>
<tr>
<td>Triethylenetetraamine</td>
<td>96 Hr LC50 Poecilia reticulata: 570 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 495 mg/L; 48 Hr EC50 Daphnia magna: 31.1 mg/L; 72 Hr EC50 Desmodesmus subspicatus: 2.5 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 20 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 3.7 mg/L</td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: &gt;100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]; 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]</td>
<td></td>
</tr>
<tr>
<td>Cumene</td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

### Section 13: Disposal Considerations

Dispose in accordance with federal, state, and local regulations.

### Section 14: Transport Information

SDS for: Q-1870

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Printed: 9/28/2016 at 9:20:05AM
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:

98-82-8  Cumene  0.1 to 1.0 %
64-17-5  Ethanol  0.1 to 1.0 %
14808-60-7  Microcrystalline silica 98.5-99.0%  30 to 40 %

HAZARDOUS AIR POLLUTANTS

98-82-8  Cumene

MASSACHUSETTS RIGHT TO KNOW

98-82-8  Cumene  0.1 to 1.0 %
64-17-5  Ethanol  0.1 to 1.0 %
112-24-3  Triethylenetetramine  1 to 5 %
108-67-8  Benzene,1,3,5-trimethyl  1 to 5 %
78-83-1  ISOBUTANOL  1 to 5 %
95-63-6  * 1,2,4-TRIMETHYL BENZENE  1 to 5 %
78-93-3  Methyl Ethyl Ketone  5 to 10 %
14807-96-6  Talc (hydrous magnesium silicate)  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  30 to 40 %

NEW JERSEY RIGHT TO KNOW

98-82-8  Cumene  0.1 to 1.0 %
64-17-5  Ethanol  0.1 to 1.0 %
112-24-3  Triethylenetetramine  1 to 5 %
78-83-1  ISOBUTANOL  1 to 5 %
95-63-6  * 1,2,4-TRIMETHYL BENZENE  1 to 5 %
78-93-3  Methyl Ethyl Ketone  5 to 10 %
14807-96-6  Talc (hydrous magnesium silicate)  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  30 to 40 %

PENNSYLVANIA RIGHT TO KNOW

98-82-8  Cumene  0.1 to 1.0 %
64-17-5  Ethanol  0.1 to 1.0 %
112-24-3  Triethylenetetramine  1 to 5 %
78-83-1  ISOBUTANOL  1 to 5 %
95-63-6  * 1,2,4-TRIMETHYL BENZENE  1 to 5 %
78-93-3  Methyl Ethyl Ketone  5 to 10 %
14807-96-6  Talc (hydrous magnesium silicate)  10 to 20 %
14808-60-7  Microcrystalline silica 98.5-99.0%  30 to 40 %

CHEMICAL LIST FOR SARA 311/312

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

CHEMICAL LIST FOR SARA 313

95-63-6  * 1,2,4-TRIMETHYL BENZENE
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>
<th>HMIS &amp; NFPA Hazard Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Legend</td>
</tr>
<tr>
<td>2*</td>
<td>3</td>
<td>0</td>
<td>G</td>
<td>2 = MODERATE</td>
</tr>
</tbody>
</table>

* = 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.

Reviewer Revision

Date Prepared: 9/28/2016