

# SAFETY DATA SHEET

## Section 1: Manufacturer's Identification

Product Name: INDURAMASTIC 85 PART A Product Code: H-1216

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         | 2  | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation               |
| Eye corrosive          | 1  | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Respiratory sensitizer | 1  | Respiratory sensitizer   |
| Skin sensitizer        | 1  | Skin sensitizer  |
| Carcinogen             | 2  | Limited evidence of human or animal carcinogenicity  |
| Reproductive toxin     | 1A | Based on human evidence  |

### GHS Hazards

|      |   |
|------|---|
| H225 | Highly flammable  |
| H315 | Causes skin irritation  |
| H317 | May cause an allergic skin reaction                                       |
| H318 | Causes serious eye damage   |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H351 | Suspected of causing 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  |
| P285           | In case of inadequate ventilation wear respiratory protection  |
| P310           | Immediately call a POISON CENTER or doctor/physician   |
| P321           | Wash contaminated skin, follow Physician's instructions for treatment.                                       |
| 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.<br>Rinse skin with water/shower |

|                |   |
|----------------|---|
| P304+P341      | IF INHALED: If breathing is difficult, 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+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   |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician.  |
| 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

| Chemical Name  | CAS number | Weight Concentration % |
|--|------------|------------------------|
| Titanium Dioxide Colorant  | 13463-67-7 | 20.00% - 30.00%        |
| Talc (hydrous magnesium silicate)                                | 14807-96-6 | 10.00% - 20.00%        |
| FATTY AMIDOAMINE RESIN   | 68991-84-4 | 10.00% - 20.00%        |
| Mixed Xylenes  | 1330-20-7  | 5.00% - 10.00%         |
| Toluene  | 108-88-3   | 1.00% - 5.00%          |
| Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines | 68410-23-1 | 1.00% - 5.00%          |
| 2-ETHYL BENZENE  | 100-41-4   | 1.00% - 5.00%          |
| Benzyl Alcohol   | 100-51-6   | 1.00% - 5.00%          |
| ISOPROPANOL  | 67-63-0    | 1.00% - 5.00%          |
| 2,4,6 TRIDIMETHLYAMINOMETHYLPHENOL                               | 90-72-2    | 1.00% - 5.00%          |

### 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: 7 C (45 F)

LEL: 1.00

UEL: 13.00

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

| Chemical Name / CAS No.  | OSHA Exposure Limits                   | ACGIH Exposure Limits   | Other Exposure Limits  |
|--|--|---|--|
| Titanium Dioxide Colorant<br>13463-67-7  | 15 mg/m <sup>3</sup> TWA (total dust)  | 10 mg/m <sup>3</sup> TWA  | Not Established  |
| Talc (hydrous magnesium silicate)<br>14807-96-6                                | Not Established                        | 2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) | NIOSH: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Quartz, respirable dust)    |
| FATTY AMIDOAMINE RESIN<br>68991-84-4   | Not Established                        | Not Established   | Not Established  |
| Mixed Xylenes<br>1330-20-7   | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA | 150 ppm STEL<br>100 ppm TWA   | Not Established  |
| Toluene<br>108-88-3  | 200 ppm TWA                            | 20 ppm TWA  | NIOSH: 100 ppm TWA; 375 mg/m <sup>3</sup> TWA<br>150 ppm STEL; 560 mg/m <sup>3</sup> STEL  |
| Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines<br>68410-23-1 | Not Established                        | Not Established   | Not Established  |
| 2-ETHYL BENZENE<br>100-41-4  | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA | 20 ppm TWA  | NIOSH: 100 ppm TWA; 435 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 545 mg/m <sup>3</sup> STEL  |
| Benzyl Alcohol<br>100-51-6   | Not Established                        | Not Established   | Not Established  |
| ISOPROPANOL<br>67-63-0   | 400 ppm TWA; 980 mg/m <sup>3</sup> TWA | 400 ppm STEL<br>200 ppm TWA   | NIOSH: 400 ppm TWA; 980 mg/m <sup>3</sup> TWA<br>500 ppm STEL; 1225 mg/m <sup>3</sup> STEL |
| 2,4,6 TRIDIMETHYLAMINOMETHYLPHENOL<br>90-72-2                                  | Not Established                        | Not Established   | Not Established  |

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**

|   |   |
|---|---|
| <p><b>Viscosity:</b> N/A<br/> <b>Appearance:</b> N/A<br/> <b>Vapor Pressure:</b> 12.6 mmHg<br/> <b>Vapor Density:</b> 3.2<br/> <b>DENSITY</b> 13.39<br/> <b>Freezing point:</b> N/A<br/> <b>Boiling range:</b> 83°C<br/> <b>Evaporation rate:</b> N/A<br/> <b>Explosive Limits:</b> N/A<br/> <br/> <b>Autoignition temperature:</b> N/A</p> | <p><b>Coating VOC Lb/Gal</b> 2.35<br/> <b>Odor:</b> N/A<br/> <b>Odor threshold:</b> N/A<br/> <b>pH:</b> N/A<br/> <b>Melting point:</b> N/A<br/> <b>Solubility:</b> N/A<br/> <b>Flash point:</b> 45 F,7 C<br/> <b>Flammability:</b> N/A<br/> <b>Partition coefficient (n- N/A octanol/water):</b><br/> <b>Decomposition temperature:</b> N/A</p> |
|---|---|

**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: 101mg/L

Routes of Entry:

**Ingestion**

Exposure to this material may affect the following organs:

**Eyes      Kidneys      Liver      Central Nervous System      Skin      Cardiovascular System**  
**Respiratory System**

**Effects of Overexposure**

| <u>CAS Number</u> | <u>Description</u>        | <u>% Weight</u> | <u>Carcinogen Rating</u>   |
|-------------------|---------------------------|-----------------|--|
| 13463-67-7        | Titanium Dioxide Colorant | 20 to 30%       | Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen<br>IARC: Possible human carcinogen<br>OSHA: listed |

**Section 12: Ecological Information**

None available.

**Component Ecotoxicity**

|                                   |   |
|-----------------------------------|---|
| Talc (hydrous magnesium silicate) | 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-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]<br>48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L  |
| Toluene                           | 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old) ; 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]<br>48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L<br>96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 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]<br>48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L<br>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]   |
| Benzyl Alcohol                    | 96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static]<br>48 Hr EC50 water flea: 23 mg/L   |
| ISOPROPANOL                       | 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L<br>48 Hr EC50 Daphnia magna: 13299 mg/L<br>96 Hr EC50 Desmodemus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodemus subspicatus: >1000 mg/L  |

**Section 13: Disposal Considerations**

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

**Section 14: Transport Information**

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| 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 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### HAZARDOUS AIR POLLUTANTS

- 100-41-4 2-ETHYL BENZENE
- 108-88-3 Toluene
- 1330-20-7 Mixed Xylenes

#### MASSACHUSETTS RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-51-6 Benzyl Alcohol 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### NEW JERSEY RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### PENNSYLVANIA RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-51-6 Benzyl Alcohol 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### CHEMICAL LIST FOR SARA 311

- 1330-20-7 Mixed Xylenes

- 100-51-6 Benzyl Alcohol
- 1330-20-7 Mixed Xylenes

#### CHEMICAL LIST FOR SARA 313

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

#### 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)**

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 1 |
| PERSONAL PROTECTION |   | G |

**HMIS & NFPA Hazard Rating**

**Legend**

\* = Chronic Health Hazard

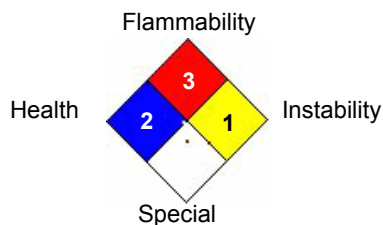
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

**National Fire Protection Association (NFPA)**



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: 9/21/2016

# SAFETY DATA SHEET

## Section 1: Manufacturer's Identification

Product Name: INDURAMASTIC 85 WHITE PART A Product Code: H-1217

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         | 2  | Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation               |
| Eye corrosive          | 1  | Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 |
| Respiratory sensitizer | 1  | Respiratory sensitizer   |
| Skin sensitizer        | 1  | Skin sensitizer  |
| Carcinogen             | 2  | Limited evidence of human or animal carcinogenicity  |
| Reproductive toxin     | 1A | Based on human evidence  |

### GHS Hazards

|      |   |
|------|---|
| H225 | Highly flammable  |
| H315 | Causes skin irritation  |
| H317 | May cause an allergic skin reaction                                       |
| H318 | Causes serious eye damage   |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H351 | Suspected of causing 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  |
| P285           | In case of inadequate ventilation wear respiratory protection  |
| P310           | Immediately call a POISON CENTER or doctor/physician   |
| P321           | Wash contaminated skin, follow Physician's instructions for treatment.                                       |
| 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.<br>Rinse skin with water/shower |



|                |   |
|----------------|---|
| P304+P341      | IF INHALED: If breathing is difficult, 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+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   |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician.  |
| 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

| Chemical Name  | CAS number | Weight Concentration % |
|--|------------|------------------------|
| Titanium Dioxide Colorant  | 13463-67-7 | 20.00% - 30.00%        |
| Talc (hydrous magnesium silicate)                                | 14807-96-6 | 10.00% - 20.00%        |
| FATTY AMIDOAMINE RESIN   | 68991-84-4 | 10.00% - 20.00%        |
| Mixed Xylenes  | 1330-20-7  | 5.00% - 10.00%         |
| Toluene  | 108-88-3   | 1.00% - 5.00%          |
| Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines | 68410-23-1 | 1.00% - 5.00%          |
| 2-ETHYL BENZENE  | 100-41-4   | 1.00% - 5.00%          |
| Benzyl Alcohol   | 100-51-6   | 1.00% - 5.00%          |
| ISOPROPANOL  | 67-63-0    | 1.00% - 5.00%          |
| 2,4,6 TRIDIMETHLYAMINOMETHYLPHENOL                               | 90-72-2    | 1.00% - 5.00%          |

### 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: 7 C (45 F)

LEL: 1.00

UEL: 13.00

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**

| Chemical Name / CAS No.  | OSHA Exposure Limits                   | ACGIH Exposure Limits   | Other Exposure Limits  |
|--|--|---|--|
| Titanium Dioxide Colorant<br>13463-67-7  | 15 mg/m <sup>3</sup> TWA (total dust)  | 10 mg/m <sup>3</sup> TWA  | Not Established  |
| Talc (hydrous magnesium silicate)<br>14807-96-6                                | Not Established                        | 2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) | NIOSH: 2 mg/m <sup>3</sup> TWA (containing no Asbestos and <1% Quartz, respirable dust)    |
| FATTY AMIDOAMINE RESIN<br>68991-84-4   | Not Established                        | Not Established   | Not Established  |
| Mixed Xylenes<br>1330-20-7   | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA | 150 ppm STEL<br>100 ppm TWA   | Not Established  |
| Toluene<br>108-88-3  | 200 ppm TWA                            | 20 ppm TWA  | NIOSH: 100 ppm TWA; 375 mg/m <sup>3</sup> TWA<br>150 ppm STEL; 560 mg/m <sup>3</sup> STEL  |
| Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines<br>68410-23-1 | Not Established                        | Not Established   | Not Established  |
| 2-ETHYL BENZENE<br>100-41-4  | 100 ppm TWA; 435 mg/m <sup>3</sup> TWA | 20 ppm TWA  | NIOSH: 100 ppm TWA; 435 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 545 mg/m <sup>3</sup> STEL  |
| Benzyl Alcohol<br>100-51-6   | Not Established                        | Not Established   | Not Established  |
| ISOPROPANOL<br>67-63-0   | 400 ppm TWA; 980 mg/m <sup>3</sup> TWA | 400 ppm STEL<br>200 ppm TWA   | NIOSH: 400 ppm TWA; 980 mg/m <sup>3</sup> TWA<br>500 ppm STEL; 1225 mg/m <sup>3</sup> STEL |
| 2,4,6 TRIDIMETHYLAMINOMETHYLPHENOL<br>90-72-2                                  | Not Established                        | Not Established   | Not Established  |

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**

|   |   |
|---|---|
| <p><b>Viscosity:</b> N/A<br/> <b>Appearance:</b> N/A<br/> <b>Vapor Pressure:</b> 12.6 mmHg<br/> <b>Vapor Density:</b> 3.2<br/> <b>DENSITY</b> 14.04<br/> <b>Freezing point:</b> N/A<br/> <b>Boiling range:</b> 83°C<br/> <b>Evaporation rate:</b> N/A<br/> <b>Explosive Limits:</b> N/A<br/> <br/> <b>Autoignition temperature:</b> N/A</p> | <p><b>Coating VOC Lb/Gal</b> 2.36<br/> <b>Odor:</b> N/A<br/> <b>Odor threshold:</b> N/A<br/> <b>pH:</b> N/A<br/> <b>Melting point:</b> N/A<br/> <b>Solubility:</b> N/A<br/> <b>Flash point:</b> 45 F, 7 C<br/> <b>Flammability:</b> N/A<br/> <b>Partition coefficient (n-octanol/water):</b> N/A<br/> <br/> <b>Decomposition temperature:</b> N/A</p> |
|---|---|

**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: 105mg/L

Routes of Entry:

Exposure to this material may affect the following organs:

**Eyes      Kidneys      Liver      Central Nervous System      Skin      Cardiovascular System**  
**Respiratory System**

**Effects of Overexposure**

| <u>CAS Number</u> | <u>Description</u>        | <u>% Weight</u> | <u>Carcinogen Rating</u>   |
|-------------------|---------------------------|-----------------|--|
| 13463-67-7        | Titanium Dioxide Colorant | 20 to 30%       | Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen<br>IARC: Possible human carcinogen<br>OSHA: listed |

**Section 12: Ecological Information**

None available.

**Component Ecotoxicity**

|                                   |   |
|-----------------------------------|---|
| Talc (hydrous magnesium silicate) | 96 Hr LC50 Brachydanio rerio: >100 g/L [semi-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]<br>48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L  |
| Toluene                           | 96 Hr LC50 Pimephales promelas: 15.22 - 19.05 mg/L [flow-through] (1 day old) ; 96 Hr LC50 Pimephales promelas: 12.6 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 14.1 - 17.16 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 5.8 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static]<br>48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L<br>96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 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]<br>48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L<br>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]   |
| Benzyl Alcohol                    | 96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static]<br>48 Hr EC50 water flea: 23 mg/L   |
| ISOPROPANOL                       | 96 Hr LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 11130 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: >1400000 µg/L<br>48 Hr EC50 Daphnia magna: 13299 mg/L<br>96 Hr EC50 Desmodemus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodemus subspicatus: >1000 mg/L  |

**Section 13: Disposal Considerations**

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

**Section 14: Transport Information**

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| 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 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### HAZARDOUS AIR POLLUTANTS

- 100-41-4 2-ETHYL BENZENE
- 108-88-3 Toluene
- 1330-20-7 Mixed Xylenes

#### MASSACHUSETTS RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-51-6 Benzyl Alcohol 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### NEW JERSEY RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### PENNSYLVANIA RIGHT TO KNOW

- 67-63-0 ISOPROPANOL 1 to 5 %
- 100-51-6 Benzyl Alcohol 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %
- 108-88-3 Toluene 1 to 5 %
- 1330-20-7 Mixed Xylenes 5 to 10 %
- 14807-96-6 Talc (hydrous magnesium silicate) 10 to 20 %
- 13463-67-7 Titanium Dioxide Colorant 20 to 30 %

#### CHEMICAL LIST FOR SARA 311

- 1330-20-7 Mixed Xylenes

#### CHEMICAL LIST FOR SARA 311/312

- 100-51-6 Benzyl Alcohol
- 1330-20-7 Mixed Xylenes

#### CHEMICAL LIST FOR SARA 313

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

#### Country

#### Regulation

#### All Components Listed

**EU Risk Phrases**

**Safety Phrase**

- None

**Section 16: Other Information**

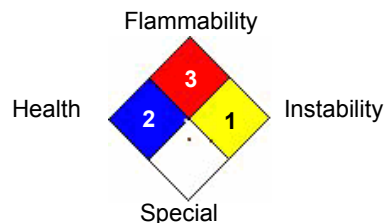
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

**Hazardous Material Information System (HMIS)**

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 1 |
| PERSONAL PROTECTION |   | H |

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

**National Fire Protection Association (NFPA)**



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: 10/12/2016

# SAFETY DATA SHEET

## Section 1: Manufacturer's Identification

Product Name: INDURAMASTIC 85 PART B Product Code: Q-1217

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)  |
| Oral Toxicity      | Acute Tox. 4 | Oral>300+<=2000mg/kg  |
| Dermal Toxicity    | Acute Tox. 3 | Dermal>200+<=1000mg/kg  |
| Skin corrosive     | 2            | Reversible adverse effects in dermal tissue, Draize score:<br>>= 2.3 < 4.0 or persistent inflammation |
| Eye corrosive      | 2A           | Eye irritant: Subcategory 2A, Reversible in 21 days   |
| 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                         |
| H302 | Harmful if swallowed                     |
| 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.            |
| 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                              |
| 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                      |
| P362 | Take off contaminated clothing and wash before reuse                       |
| P363 | Wash contaminated clothing before reuse                                    |

|                |   |
|----------------|---|
| P301+P312      | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell   |
| 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 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**

| Chemical Name                      | CAS number | Weight Concentration % |
|------------------------------------|------------|------------------------|
| Microcrystalline silica 98.5-99.0% | 14808-60-7 | 30.00% - 40.00%        |
| Diglycidyl Ether of Bisphenol A    | 25068-38-6 | 20.00% - 30.00%        |
| 4-METHYL-2-PENTANONE               | 108-10-1   | 5.00% - 10.00%         |
| Methyl Ethyl Ketone                | 78-93-3    | 1.00% - 5.00%          |
| REACTIVE DILUENT                   | 26761-45-5 | 1.00% - 5.00%          |
| 2-ETHYL BENZENE                    | 100-41-4   | 0.10% - 1.00%          |

**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**

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, CO<sub>2</sub>, 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 self-contained breathing apparatus.

Use dry chemical, CO<sub>2</sub>, 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 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 spark-proof tools and explosion proof 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

| Chemical Name / CAS No.                          | OSHA Exposure Limits                      | ACGIH Exposure Limits                                | Other Exposure Limits   |
|--|---|--|---|
| Microcrystalline silica 98.5-99.0%<br>14808-60-7 | .05 mg/m <sup>3</sup> TWA                 | 0.025 mg/m <sup>3</sup> TWA<br>(respirable fraction) | NIOSH: 0.05 mg/m <sup>3</sup><br>TWA (respirable dust)  |
| Diglycidyl Ether of Bisphenol A<br>25068-38-6    | Not Established                           | Not Established                                      | Not Established   |
| 4-METHYL-2-PENTANONE<br>108-10-1                 | 100 ppm TWA; 410 mg/m <sup>3</sup><br>TWA | 75 ppm STEL<br>20 ppm TWA                            | NIOSH: 50 ppm TWA;<br>205 mg/m <sup>3</sup> TWA<br>75 ppm STEL; 300<br>mg/m <sup>3</sup> STEL   |
| Methyl Ethyl Ketone<br>78-93-3                   | 200 ppm TWA; 590 mg/m <sup>3</sup><br>TWA | 300 ppm STEL<br>200 ppm TWA                          | NIOSH: 200 ppm TWA;<br>590 mg/m <sup>3</sup> TWA<br>300 ppm STEL; 885<br>mg/m <sup>3</sup> STEL |
| REACTIVE DILUENT<br>26761-45-5                   | Not Established                           | Not Established                                      | Not Established   |
| 2-ETHYL BENZENE<br>100-41-4                      | 100 ppm TWA; 435 mg/m <sup>3</sup><br>TWA | 20 ppm TWA   | NIOSH: 100 ppm TWA;<br>435 mg/m <sup>3</sup> TWA<br>125 ppm STEL; 545<br>mg/m <sup>3</sup> STEL |

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

Ensure adequate ventalation by standard emmission 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

|   |  |
|---|--|
| <p><b>Viscosity:</b> N/A</p> <p><b>Appearance:</b> N/A</p> <p><b>Vapor Pressure:</b> 14.3 mmHg</p> <p><b>Vapor Density:</b> 2.5</p> <p><b>DENSITY</b> 13.02</p> <p><b>Freezing point:</b> N/A</p> <p><b>Boiling range:</b> 80°C</p> <p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Autoignition temperature:</b> N/A</p> | <p><b>Coating VOC Lb/Gal</b> 1.34</p> <p><b>Odor:</b> N/A</p> <p><b>Odor threshold:</b> N/A</p> <p><b>pH:</b> N/A</p> <p><b>Melting point:</b> N/A</p> <p><b>Solubility:</b> N/A</p> <p><b>Flash point:</b> 24 F,-4 C</p> <p><b>Flammability:</b> N/A</p> <p><b>Partition coefficient (n- N/A octanol/water):</b></p> <p><b>Decomposition temperature:</b> N/A</p> |
|---|--|

### Section 10: Stability and Reactivity

These materials are stable. Under normal conditions of storatge 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 alapahtic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

### Section 11: Toxicological Information

#### Mixture Toxicity

Oral Toxicity LD50: 1,348mg/kg

Dermal Toxicity LD50: 727mg/kg

Inhalation Toxicity LC50: 150mg/L

Routes of Entry:

#### Ingestion

Exposure to this material may affect the following organs:

**Eyes**      **Kidneys**      **Liver**      **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) .

|                   |                    |                 |                          |
|-------------------|--------------------|-----------------|--------------------------|
| <u>CAS Number</u> | <u>Description</u> | <u>% Weight</u> | <u>Carcinogen Rating</u> |
|-------------------|--------------------|-----------------|--------------------------|

|            |                                    |            |  |
|------------|------------------------------------|------------|--|
| 108-10-1   | 4-METHYL-2-PENTANONE               | 5 to 10%   | 4-METHYL-2-PENTANONE: IARC:<br>Possible human carcinogen<br>OSHA: listed   |
| 14808-60-7 | Microcrystalline silica 98.5-99.0% | 30 to 40%  | Microcrystalline silica 98.5-99.0%:<br>NIOSH: potential occupational<br>carcinogen<br>IARC: Human carcinogen<br>OSHA: listed |
| 100-41-4   | 2-ETHYL BENZENE                    | .1 to 1.0% | 2-ETHYL BENZENE: IARC:<br>Possible human carcinogen<br>OSHA: listed  |

### Section 13: Ecological

No known significant effects or critical hazards.

#### Component Ecotoxicity

|                      |   |
|----------------------|---|
| 4-METHYL-2-PENTANONE | 96 Hr LC50 Pimephales promelas: 496 - 514 mg/L [flow-through]<br>48 Hr EC50 Daphnia magna: 170 mg/L<br>96 Hr EC50 Pseudokirchneriella subcapitata: 400 mg/L   |
| Methyl Ethyl Ketone  | 96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through]<br>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]  |
| REACTIVE DILUENT     | 96 Hr LC50 Oncorhynchus mykiss: 5 mg/L [semi-static]<br>48 Hr EC50 Daphnia magna: 4.8 mg/L<br>96 Hr EC50 Pseudokirchneriella subcapitata: 3.5 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]<br>48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L<br>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

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| 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 %

108-10-1 4-METHYL-2-PENTANONE 5 to 10 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40 %

HAZARDOUS AIR POLLUTANTS

100-41-4 2-ETHYL BENZENE  
108-10-1 4-METHYL-2-PENTANONE

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 %  
108-10-1 4-METHYL-2-PENTANONE 5 to 10 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40 %

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 %  
108-10-1 4-METHYL-2-PENTANONE 5 to 10 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40 %

PENNSYLVANIA RIGHT TO KNOW

100-41-4 2-ETHYL BENZENE 0.1 to 1.0 %  
78-93-3 Methyl Ethyl Ketone 1 to 5 %  
108-10-1 4-METHYL-2-PENTANONE 5 to 10 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 30 to 40 %

- 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  
108-10-1 4-METHYL-2-PENTANONE

**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)

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 3 |
| PHYSICAL HAZARD     |   | 0 |
| PERSONAL PROTECTION |   | G |

### HMIS & NFPA Hazard Rating

#### Legend

\* = Chronic Health Hazard

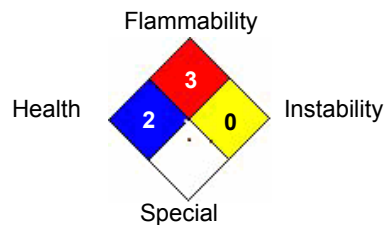
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

### National Fire Protection Association (NFPA)



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: 9/21/2016