

# SAFETY DATA SHEET

## Section 1: Manufacturer's Identification

Product Name: INDURAMASTIC AL, PART A Product Code: H4-8107

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: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 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
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
H340	May cause genetic defects
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	43.00%
Diglycidyl Ether of Bisphenol A	25068-38-6	23.00%
Methyl Ethyl Ketone	78-93-3	4.00%
ALUMINUM FLAKE COATED WITH INHIBITOR AND DISPERSED IN MINERAL SPIRITS	7429-90-5	3.00%
Titanium Dioxide Colorant	13463-67-7	3.00%
REACTIVE DILUENT	26761-45-5	2.00%
* 1,2,4-TRIMETHYL BENZENE	95-63-6	2.00%
Naphtha, petroleum, hydrotreated heavy	64742-48-9	1.00%
Naptha(Pet), light arom.	64742-95-6	0.80%
Cumene	98-82-8	0.30%
2-ETHYL BENZENE	100-41-4	0.30%

**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.

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: 2.00

UEL:

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 runoff to water source, basements, sewers, or confined areas. Contain and collect spillage with non-combustible, absorbent materials, sand, vermiculite, diatomaceous 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% 14808-60-7	.05 mg/m <sup>3</sup> TWA	0.025 mg/m <sup>3</sup> TWA (respirable fraction)	NIOSH: 0.05 mg/m <sup>3</sup> TWA (respirable dust)
Diglycidyl Ether of Bisphenol A 25068-38-6	Not Established	Not Established	Not Established
Methyl Ethyl Ketone 78-93-3	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m <sup>3</sup> TWA 300 ppm STEL; 885 mg/m <sup>3</sup> STEL

ALUMINUM FLAKE COATED WITH INHIBITOR AND DISPERSED IN MINERAL SPIRITS 7429-90-5	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	1 mg/m3 TWA (respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Titanium Dioxide Colorant 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
REACTIVE DILUENT 26761-45-5	Not Established	Not Established	Not Established
* 1,2,4-TRIMETHYL BENZENE 95-63-6	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
Naphtha, petroleum, hydrotreated heavy 64742-48-9	Not Established	Not Established	Not Established
Naphtha(Pet), light arom. 64742-95-6	Not Established	Not Established	Not Established
Cumene 98-82-8	50 ppm TWA; 245 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 245 mg/m3 TWA
2-ETHYL BENZENE 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne cotamin. 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 supply. 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> 12.8 mmHg</p> <p><b>Vapor Density:</b> 3.1</p> <p><b>DENSITY:</b> 14.41</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> 1.41</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> 25 F, -4 C</p> <p><b>Flammability:</b> N/A</p> <p><b>Partition coefficient (n-octanol/water):</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p>
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**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: 1,108mg/kg  
Dermal Toxicity LD50: 871mg/kg  
Inhalation Toxicity LC50: 1,079mg/L

Routes of Entry:

**Inhalation      Skin Contact      Eye Contact      Ingestion**

Exposure to this material may affect the following organs:

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

### Effects of Overexposure

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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64742-48-9	Naphtha, petroleum, hydrotreated heavy	1	Naphtha, petroleum, hydrotreated heavy: EU REACH: Present (P)
64742-95-6	Naptha(Pet), light arom.	0.8	Naptha(Pet), light arom.: EU REACH: Present (P)
13463-67-7	Titanium Dioxide Colorant	3	Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
14808-60-7	Microcrystalline silica 98.5-99.0%	43	Microcrystalline silica 98.5-99.0%: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed
98-82-8	Cumene	0.3	Cumene: IARC: Possible human carcinogen OSHA: listed
100-41-4	2-ETHYL BENZENE	0.3	2-ETHYL BENZENE: IARC: Possible human carcinogen OSHA: listed

## Section 12: Ecological

No known significant effects or critical hazards.

### Component Ecotoxicity

Methyl Ethyl Ketone	96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through] 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]
REACTIVE DILUENT	96 Hr LC50 Oncorhynchus mykiss: 5 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 4.8 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 3.5 mg/L
* 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

Naphtha, petroleum, hydrotreated heavy	96 Hr LC50 Pimephales promelas: 2200 mg/L
Naptha(Pet), light arom.	96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L
Cumene	96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L
2-ETHYL BENZENE	96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static] 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

**Section 13: Disposal Considerations**

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

**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 %
- 98-82-8 Cumene 0 %
- 13463-67-7 Titanium Dioxide Colorant 3 %
- 14808-60-7 Microcrystalline silica 98.5-99.0% 43 %

HAZARDOUS AIR POLLUTANTS  
100-41-4 2-ETHYL BENZENE  
98-82-8 Cumene

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS  
- None

MASSACHUSETTS RIGHT TO KNOW  
100-41-4 2-ETHYL BENZENE 0 %  
98-82-8 Cumene 0 %  
95-63-6 \* 1,2,4-TRIMETHYL BENZENE 2 %  
13463-67-7 Titanium Dioxide Colorant 3 %

7429-90-5 ALUMINUM FLAKE COATED WITH INHIBITOR AND DISPERSED IN MINERAL SPIRITS 3 %  
78-93-3 Methyl Ethyl Ketone 4 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 43 %

NEW JERSEY RIGHT TO KNOW

100-41-4 2-ETHYL BENZENE 0 %  
98-82-8 Cumene 0 %  
95-63-6 \* 1,2,4-TRIMETHYL BENZENE 2 %  
13463-67-7 Titanium Dioxide Colorant 3 %  
7429-90-5 ALUMINUM FLAKE COATED WITH INHIBITOR AND DISPERSED IN MINERAL SPIRITS 3 %  
78-93-3 Methyl Ethyl Ketone 4 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 43 %

PENNSYLVANIA RIGHT TO KNOW

100-41-4 2-ETHYL BENZENE 0 %  
98-82-8 Cumene 0 %  
95-63-6 \* 1,2,4-TRIMETHYL BENZENE 2 %  
13463-67-7 Titanium Dioxide Colorant 3 %  
7429-90-5 ALUMINUM FLAKE COATED WITH INHIBITOR AND DISPERSED IN MINERAL SPIRITS 3 %  
78-93-3 Methyl Ethyl Ketone 4 %  
14808-60-7 Microcrystalline silica 98.5-99.0% 43 %

- None

CHEMICAL LIST FOR SARA 311

- None

CHEMICAL LIST FOR SARA 311/312

98-82-8 Cumene  
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  
95-63-6 \* 1,2,4-TRIMETHYL 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)**

**National Fire Protection Association (NFPA)**

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		G

**HMIS & NFPA Hazard Rating**

**Legend**

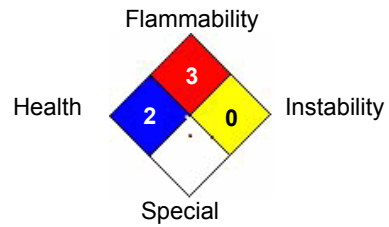
\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



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

Reviewer Revision

Date Prepared: 11/1/2016



# SAFETY DATA SHEET

## Section 1: Manufacturer's Identification

Product Name: INDURAMASTIC AL ACTIVATOR Product Code: Q4-8107

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	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Dermal Toxicity	Acute Tox. 4	Dermal $>1000$ and $\leq 2000$ mg/kg
Skin corrosive	1C	Destruction of dermal tissue: Exposure $< 4$ hours Observation $< 14$ days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq 3$ , Iritis $> 1.5$
Skin sensitizer	1	Skin sensitizer
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity $\geq 20.5$ mm <sup>2</sup> /s at 40° C.

### GHS Hazards

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
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.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash equipment and contaminated skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
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.

P331	Do NOT induce vomiting
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P370+P378	In case of fire: Use CO <sub>2</sub> , 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 %
Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines	68410-23-1	30.00% - 40.00%
Mixed Xylenes	1330-20-7	10.00% - 20.00%
* 1,2,4-TRIMETHYL BENZENE	95-63-6	5.00% - 10.00%
2,4,6 TRIDIMETHYLAMINOMETHYLPHENOL	90-72-2	5.00% - 10.00%
2-ETHYL BENZENE	100-41-4	1.00% - 5.00%
Benzene, 1,2,5-trimethyl	526-73-8	1.00% - 5.00%
Benzene, 1,3,5-trimethyl	108-67-8	1.00% - 5.00%
Cumene	98-82-8	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: 27 C (81 F)

LEL: 1.00

UEL: 7.00

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
Fatty Acids, C18-unsaturated, dimers with polyethylenepolyamines 68410-23-1	Not Established	Not Established	Not Established
Mixed Xylenes 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	Not Established
* 1,2,4-TRIMETHYL BENZENE 95-63-6	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
2,4,6 TRIDIMETHYLAMINOMETH YLPHENOL 90-72-2	Not Established	Not Established	Not Established
2-ETHYL BENZENE 100-41-4	100 ppm TWA; 435 mg/m3 TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 435 mg/m3 TWA 125 ppm STEL; 545 mg/m3 STEL
Benzene, 1,2,5-trimethyl 526-73-8	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
Benzene, 1,3,5-trimethyl 108-67-8	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
Cumene 98-82-8	50 ppm TWA; 245 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 245 mg/m3 TWA

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

Viscosity: N/A

Coating VOC Lb/Gal 2.32

<b>Appearance:</b> N/A <b>Vapor Pressure:</b> 3.5 mmHg <b>Vapor Density:</b> 4.0 <b>DENSITY</b> 8.00 <b>Freezing point:</b> N/A <b>Boiling range:</b> 136°C <b>Evaporation rate:</b> N/A <b>Explosive Limits:</b> N/A  <b>Autoignition temperature:</b> N/A	<b>Odor:</b> N/A <b>Odor threshold:</b> N/A <b>pH:</b> N/A <b>Melting point:</b> N/A <b>Solubility:</b> N/A <b>Flash point:</b> 81 F, 27 C <b>Flammability:</b> N/A <b>Partition coefficient (n-octanol/water):</b> N/A <b>Decomposition temperature:</b> N/A
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**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**

Dermal Toxicity LD50: 1,020mg/kg  
Inhalation Toxicity LC50: 92mg/L

Routes of Entry:

<b>Inhalation</b>	<b>Skin Contact</b>	<b>Eye Contact</b>	<b>Ingestion</b>
Exposure to this material may affect the following organs:			
<b>Blood</b>	<b>Eyes</b>	<b>Central Nervous System</b>	<b>Skin</b>
			<b>Respiratory System</b>

**Effects of Overexposure**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
98-82-8	Cumene	1 to 5%	Cumene: IARC: Possible human carcinogen OSHA: listed
100-41-4	2-ETHYL BENZENE	1 to 5%	2-ETHYL BENZENE: IARC: Possible human carcinogen OSHA: listed

**Section 12: Ecological Information**

None available.

**Component Ecotoxicity**

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
* 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
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]
Benzene, 1,3,5-trimethyl	96 Hr LC50 Pimephales promelas: 3.48 mg/L
Cumene	96 Hr LC50 Pimephales promelas: 6.04 - 6.61 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 4.8 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.7 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 5.1 mg/L [semi-static] 48 Hr EC50 Daphnia magna: 0.6 mg/L; 48 Hr EC50 Daphnia magna: 7.9 - 14.1 mg/L [Static] 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 mg/L

**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	III	3
IATA	PAINT	1263	III	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:

- 98-82-8 Cumene 1 to 5 %
- 100-41-4 2-ETHYL BENZENE 1 to 5 %

**HAZARDOUS AIR POLLUTANTS**

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

**MASSACHUSETTS RIGHT TO KNOW**

98-82-8 Cumene 1 to 5 %  
 108-67-8 Benzene,1,3,5-trimethyl 1 to 5 %  
 100-41-4 2-ETHYL BENZENE 1 to 5 %  
 95-63-6 \* 1,2,4-TRIMETHYL BENZENE 5 to 10 %  
 1330-20-7 Mixed Xylenes 10 to 20 %

**NEW JERSEY RIGHT TO KNOW**

98-82-8 Cumene 1 to 5 %  
 100-41-4 2-ETHYL BENZENE 1 to 5 %  
 95-63-6 \* 1,2,4-TRIMETHYL BENZENE 5 to 10 %  
 1330-20-7 Mixed Xylenes 10 to 20 %

**PENNSYLVANIA RIGHT TO KNOW**

98-82-8 Cumene 1 to 5 %  
 100-41-4 2-ETHYL BENZENE 1 to 5 %  
 95-63-6 \* 1,2,4-TRIMETHYL BENZENE 5 to 10 %  
 1330-20-7 Mixed Xylenes 10 to 20 %

**CHEMICAL LIST FOR SARA 311**

1330-20-7 Mixed Xylenes

**CHEMICAL LIST FOR SARA 311/312**

98-82-8 Cumene  
 526-73-8 Benzene,1,2,5-trimethyl  
 1330-20-7 Mixed Xylenes

**CHEMICAL LIST FOR SARA 313**

100-41-4 2-ETHYL BENZENE  
 95-63-6 \* 1,2,4-TRIMETHYL BENZENE  
 1330-20-7 Mixed Xylenes

<b><u>Country</u></b>	<b><u>Regulation</u></b>	<b><u>All Components Listed</u></b>
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**EU Risk Phrases**

**Safety Phrase**

- None

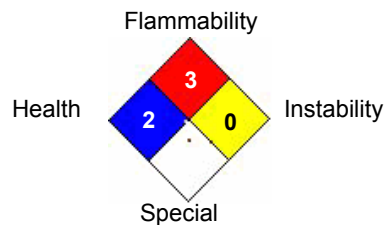
<b>Section 16: Other Information</b>
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HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	*	2	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
<b>FLAMMABILITY</b>		3	
<b>PHYSICAL HAZARD</b>		0	
<b>PERSONAL PROTECTION</b>		G	

**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.

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