SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: PERMA-CLEAN II WHITE INTERMEDIATE Product Code: A4-1111

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. 3	Oral>50+<=300mg/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
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H225	Highly flammable
H301	Toxic if swallowed
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
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.
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 Physcian'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+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
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 approriate 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

Chemical Name	CAS number	Weight Concentration %
Titanium Dioxide Colorant	13463-67-7	10.00% - 20.00%
Dimethyl Carbonate	616-38-6	10.00% - 20.00%
Diglycidyl Ether of Bisphenol A	25068-38-6	10.00% - 20.00%
Kaolin	1332-58-7	10.00% - 20.00%
Talc (hydrous magnesium silicate)	14807-96-6	5.00% - 10.00%
4-METHYL-2-PENTANONE	108-10-1	1.00% - 5.00%
* 1,2,4-TRIMETHYL BENZENE	95-63-6	1.00% - 5.00%
Mixed Xylenes	1330-20-7	1.00% - 5.00%
Methyl Ethyl Ketone	78-93-3	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%
ISOPROPANOL	67-63-0	1.00% - 5.00%
2-ETHYL BENZENE	100-41-4	0.10% - 1.00%
Cumene	98-82-8	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: -5 C (23 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 firem. Move containers from fire area if there is no risk. Use water spray to keep fire exposed containers cool

Decomposition products man include the following materials: Carbon Oxides.

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

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

Section 6: Accidental Release Measures

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

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

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

Section 7: Handling and Storage

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

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

Do not use unlabled containers. Use appropriate containment.

Section 8: Exposure Controls/ Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium Dioxide Colorant 13463-67-7	15 mg/m3 TWA (total dust)	10 mg/m3 TWA	Not Established
Dimethyl Carbonate 616-38-6	Not Established	Not Established	Not Established
Diglycidyl Ether of Bisphenol A 25068-38-6	Not Established	Not Established	Not Established

Kaolin 1332-58-7	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Talc (hydrous magnesium silicate) 14807-96-6	Not Established	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)
4-METHYL-2-PENTANONE 108-10-1	100 ppm TWA; 410 mg/m3 TWA	75 ppm STEL 20 ppm TWA	NIOSH: 50 ppm TWA; 205 mg/m3 TWA 75 ppm STEL; 300 mg/m3 STEL
* 1,2,4-TRIMETHYL BENZENE 95-63-6	Not Established	Not Established	NIOSH: 25 ppm TWA; 125 mg/m3 TWA
Mixed Xylenes 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	Not Established
Methyl Ethyl Ketone 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 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
ISOPROPANOL 67-63-0	400 ppm TWA; 980 mg/m3 TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
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
Cumene 98-82-8	50 ppm TWA; 245 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 245 mg/m3 TWA

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 emmision testing procedures, Use appropriate respiratory equipment when needed.

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

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

Wash contaminated gear and clothing before reuse.

Section 9: Physical and Chemical Properties

Viscosity: N/A	**Coating VOC Lb/Gal** 2.53
Appearance: N/A	**Odor:** N/A
Vapor Pressure: 12.8 mmHg	**Odor threshold:** N/A
Vapor Density: 3.4	**pH:** N/A
DENSITY 11.91	**Melting point:** N/A

Freezing point: N/A	**Solubility:** N/A
Boiling range: 80°C	**Flash point:** 23 F,-5 C
Evaporation rate: N/A	**Flammability:** N/A
Explosive Limits: N/A	**Partition coefficient (n-octanol/water):** N/A
Autoignition temperature: N/A	**Decomposition temperature:** N/A

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: 63mg/kg
Dermal Toxicity LD50: 695mg/kg
Inhalation Toxicity LC50: 105mg/L

Routes of Entry:

Inhalation **Skin Contact** **Eye Contact** **Ingestion**

Exposure to this material may affect the following organs:

Blood **Eyes** **Kidneys** **Liver** **Central Nervous System** **Skin** **Cardiovascular System** **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).

CAS Number	Description	% Weight	Carcinogen Rating
100-41-4	2-ETHYL BENZENE	.1 to 1.0%	2-ETHYL BENZENE: IARC: Possible human carcinogen OSHA: listed
108-10-1	4-METHYL-2-PENTANONE	1 to 5%	4-METHYL-2-PENTANONE: IARC: Possible human carcinogen OSHA: listed
13463-67-7	Titanium Dioxide Colorant	10 to 20%	Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen IARC: Possible human carcinogen OSHA: listed
98-82-8	Cumene	.1 to 1.0%	Cumene: IARC: Possible human carcinogen OSHA: listed

Section 13: Ecological

No known significan effects or critical hazards.

Component Ecotoxicity

Talc (hydrous magnesium silicate)	96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]
4-METHYL-2-PENTANONE	96 Hr LC50 Pimephales promelas: 496 - 514 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 170 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 400 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
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
Methyl Ethyl Ketone	96 Hr LC50 Pimephales promelas: 3130 - 3320 mg/L [flow-through] 48 Hr EC50 Daphnia magna: >520 mg/L; 48 Hr EC50 Daphnia magna: 5091 mg/L; 48 Hr EC50 Daphnia magna: 4025 - 6440 mg/L [Static]
Benzene,1,3,5-trimethyl	96 Hr LC50 Pimephales promelas: 3.48 mg/L
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 48 Hr EC50 Daphnia magna: 13299 mg/L 96 Hr EC50 Desmodesmus subspicatus: >1000 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >1000 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]
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

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

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:

98-82-8 Cumene 0.1 to 1.0 %
100-41-4 2-ETHYL BENZENE 0.1 to 1.0 %
108-10-1 4-METHYL-2-PENTANONE 1 to 5 %
13463-67-7 Titanium Dioxide Colorant 10 to 20 %

HAZARDOUS AIR POLLUTANTS

98-82-8 Cumene
100-41-4 2-ETHYL BENZENE
1330-20-7 Mixed Xylenes
108-10-1 4-METHYL-2-PENTANONE

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS

- None

MASSACHUSETTS RIGHT TO KNOW

98-82-8 Cumene 0.1 to 1.0 %
100-41-4 2-ETHYL BENZENE 0.1 to 1.0 %
67-63-0 ISOPROPANOL 1 to 5 %
108-67-8 Benzene,1,3,5-trimethyl 1 to 5 %
78-93-3 Methyl Ethyl Ketone 1 to 5 %
1330-20-7 Mixed Xylenes 1 to 5 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
108-10-1 4-METHYL-2-PENTANONE 1 to 5 %
14807-96-6 Talc (hydrous magnesium silicate) 5 to 10 %
1332-58-7 Kaolin 10 to 20 %
616-38-6 Dimethyl Carbonate 10 to 20 %
13463-67-7 Titanium Dioxide Colorant 10 to 20 %

NEW JERSEY RIGHT TO KNOW

98-82-8 Cumene 0.1 to 1.0 %
100-41-4 2-ETHYL BENZENE 0.1 to 1.0 %
67-63-0 ISOPROPANOL 1 to 5 %
78-93-3 Methyl Ethyl Ketone 1 to 5 %
1330-20-7 Mixed Xylenes 1 to 5 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
108-10-1 4-METHYL-2-PENTANONE 1 to 5 %
14807-96-6 Talc (hydrous magnesium silicate) 5 to 10 %
1332-58-7 Kaolin 10 to 20 %
616-38-6 Dimethyl Carbonate 10 to 20 %
13463-67-7 Titanium Dioxide Colorant 10 to 20 %

PENNSYLVANIA RIGHT TO KNOW

98-82-8 Cumene 0.1 to 1.0 %
100-41-4 2-ETHYL BENZENE 0.1 to 1.0 %
67-63-0 ISOPROPANOL 1 to 5 %
78-93-3 Methyl Ethyl Ketone 1 to 5 %
1330-20-7 Mixed Xylenes 1 to 5 %
95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
108-10-1 4-METHYL-2-PENTANONE 1 to 5 %
14807-96-6 Talc (hydrous magnesium silicate) 5 to 10 %

1332-58-7 Kaolin 10 to 20 %
616-38-6 Dimethyl Carbonate 10 to 20 %
13463-67-7 Titanium Dioxide Colorant 10 to 20 %

- None

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
78-93-3 Methyl Ethyl Ketone
1330-20-7 Mixed Xylenes

CHEMICAL LIST FOR SARA 313
100-41-4 2-ETHYL BENZENE
1330-20-7 Mixed Xylenes
95-63-6 * 1,2,4-TRIMETHYL BENZENE
108-10-1 4-METHYL-2-PENTANONE

Country **Regulation** **All Components Listed**

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

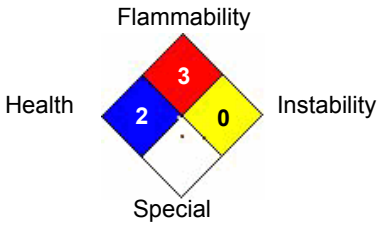
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

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 of implied concering the accuracy of the infomation except the product will comply with Induron specifications.

Reviewer Revision

Date Prepared: 9/28/2016

SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: PC II ACTIVATOR Product Code: Q4-1011

Trade Name: PC II ACTIVATOR

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 >= 23°C and <= 60°C (140°F)
Skin corrosive	1C	Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
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.
P310	Immediately call a POISON CENTER or doctor/physician
P321	Wash contaminated skin, follow Physcian's instructions for treatment.
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P333+P313	If skin irritation or a rash occurs: 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 approriate 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	50.00% - 60.00%
Benzyl Alcohol	100-51-6	20.00% - 30.00%
ISOBUTANOL	78-83-1	10.00% - 20.00%
Triethylenetetraamine	112-24-3	1.00% - 5.00%

(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 washs 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 unconcious personnel. Seek immediate medical attention.
Allergies, eczema, or skin conditions can be aggrivated by this product.

Section 5: Fire Fighting Measure:

Flash Point: 28 C (82 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 cloased container for disposal. Flush contaminated area with water.

Section 7: Handling and Storage

Causes sever 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
Benzyl Alcohol 100-51-6	Not Established	Not Established	Not Established
ISOBUTANOL 78-83-1	100 ppm TWA; 300 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 150 mg/m3 TWA
Triethylenetetraamine 112-24-3	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

Viscosity: N/A	**Coating VOC Lb/Gal** 1.30
Appearance: N/A	**Odor:** N/A
Vapor Pressure: 3.1 mmHg@20C	**Odor threshold:** N/A
Vapor Density: 3.3	**pH:** N/A
DENSITY 8.09	**Melting point:** N/A
Freezing point: N/A	**Solubility:** N/A
Boiling range: 108°C	**Flash point:** 82 F,28 C
Evaporation rate: N/A	**Flammability:** N/A
Explosive Limits: N/A	**Partition coefficient (n-octanol/water):** N/A
Autoignition temperature: N/A	**Decomposition temperature:** N/A

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 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: 2,547mg/kg
Dermal Toxicity LD50: 3,017mg/kg
Inhalation Toxicity LC50: 27mg/L

Routes of Entry:

Exposure to this material may affect the following organs:

Eyes **Central Nervous System** **Skin** **Respiratory System**

Effects of Overexposure

CAS Number	Description	% Weight	Carcinogen Rating

Section 12: Ecological Information

None available.

Component Ecotoxicity

Benzyl Alcohol	96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static] 48 Hr EC50 water flea: 23 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]
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

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	PAINT	1263	III	3
IATA	PAINT	1263	III	3

Section 15: Regulatory Information

MASSACHUSETTS RIGHT TO KNOW

112-24-3 Triethylenetetraamine 1 to 5 %
78-83-1 ISOBUTANOL 10 to 20 %
100-51-6 Benzyl Alcohol 20 to 30 %

NEW JERSEY RIGHT TO KNOW

112-24-3 Triethylenetetraamine 1 to 5 %
78-83-1 ISOBUTANOL 10 to 20 %

PENNSYLVANIA RIGHT TO KNOW

112-24-3 Triethylenetetraamine 1 to 5 %
78-83-1 ISOBUTANOL 10 to 20 %
100-51-6 Benzyl Alcohol 20 to 30 %

CHEMICAL LIST FOR SARA 311/312
78-83-1 ISOBUTANOL
100-51-6 Benzyl Alcohol

Country **Regulation** **All Components Listed**

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

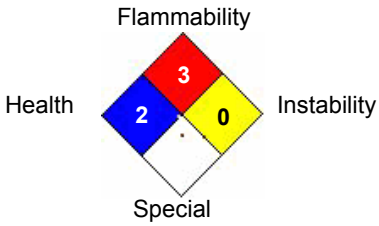
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

Hazardous Material Information System (HMIS)

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		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: 9/28/2016