

SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: CERAMASAFE 90 GRAY, PART A Product Code: A-8168

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. 3	Dermal >200 and ≤ 1000 mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: ≥ 2.3 and < 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

GHS Hazards

H226	Flammable liquid and vapour.
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

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash equipment and contaminated skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Wash contaminated skin, follow Physician's instructions for treatment.
P322	Specific measures Remove contaminated clothing and protective equipment.
P361	Remove/Take off immediately all contaminated clothing
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention

P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use CO ₂ , 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 %
Diglycidyl Ether of Bisphenol A	25068-38-6	40.00% - 50.00%
Titanium Dioxide Colorant	13463-67-7	20.00% - 30.00%
REACTIVE DILUENT	26761-45-5	10.00% - 20.00%
n-BUTYL ACETATE	123-86-4	1.00% - 5.00%

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.

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: 27 C (81 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 spray Dry Chemical, CO₂, water spray(fog), or foam. Do not use water jet.

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

Decomposition products may include the following materials: Carbon Oxides.

Fire fighters should wear appropriate protective equipment and well-contained 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 first aid. 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 a container. Stop leak if without risk. Move containers from area. Approach from upwind. Prevent run off to water source, basements, sewers, or confined areas. Collect for proper disposal.

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 in areas of use. 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 sources of ignition. 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
Diglycidyl Ether of Bisphenol A 25068-38-6	Not Established	Not Established	Not Established
Titanium Dioxide Colorant 13463-67-7	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	Not Established
REACTIVE DILUENT 26761-45-5	Not Established	Not Established	Not Established
n-BUTYL ACETATE 123-86-4	150 ppm TWA; 710 mg/m ³ TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m ³ TWA 200 ppm STEL; 950 mg/m ³ STEL

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants. Ensure adequate ventilation by standard emission testing procedures. Use appropriate respiratory equipment when needed. Assure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air scrubbing. Use appropriate protective equipment according to OSHA and NAFTA standards and labeling. Ensure eye wash stations and safety showers are available. Wash contaminated gear and clothing before reuse.

Section 9: Physical and Chemical Properties

Viscosity: N/A Appearance: N/A Vapor Pressure: 0.74 mmHg Vapor Density: 4.0 DENSITY: 10.94 Freezing point: N/A Boiling range: 126°C Evaporation rate: N/A Explosive Limits: N/A Autoignition temperature: N/A	Coating VOC Lb/Gal: 0.28 Odor: N/A Odor threshold: N/A pH: N/A Melting point: N/A Solubility: N/A Flash point: 81 F, 27 C Flammability: N/A Partition coefficient (n-octanol/water): N/A Decomposition temperature: N/A
--	--

Section 10: Stability and Reactivity

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

STABLE

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

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Dermal Toxicity LD50: 446mg/kg

Routes of Entry:

Ingestion

Exposure to this material may affect the following organs:

Eyes Central Nervous System Skin Respiratory System

Effects of Overexposure

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

<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 IARC: Possible human carcinogen OSHA: listed

Section 12: Ecological Information

No known significant effects or critical hazards.

Component Ecotoxicity

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

Section 13: Disposal Considerations

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

Section 14: Transport Information

<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:

13463-67-7 Titanium Dioxide Colorant 20 to 30 %

HAZARDOUS AIR POLLUTANTS

- None

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS

- None

MASSACHUSETTS RIGHT TO KNOW

123-86-4 n-BUTYL ACETATE 1 to 5 %

13463-67-7 Titanium Dioxide Colorant 20 to 30 %

NEW JERSEY RIGHT TO KNOW

123-86-4 n-BUTYL ACETATE 1 to 5 %

13463-67-7 Titanium Dioxide Colorant 20 to 30 %

PENNSYLVANIA RIGHT TO KNOW

123-86-4 n-BUTYL ACETATE 1 to 5 %

13463-67-7 Titanium Dioxide Colorant 20 to 30 %

- None

CHEMICAL LIST FOR SARA 311

- None

- None

CHEMICAL LIST FOR SARA 313

- None

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

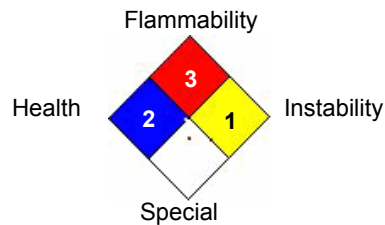
0 = INSIGNIFICANT

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

Reviewer Revision

Date Prepared: 9/21/2016

SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: CERAMASAFE 90 BLACK, PART A Product Code: A-2868

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. 3	Dermal >200 and ≤ 1000 mg/kg
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: ≥ 2.3 and < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitizer	1	Skin sensitizer

GHS Hazards

H226	Flammable liquid and vapour.
H311	Toxic in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash equipment and contaminated skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Wash contaminated skin, follow Physician's instructions for treatment.
P322	Specific measures Remove contaminated clothing and protective equipment.
P361	Remove/Take off immediately all contaminated clothing
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
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 CO ₂ , water spray, foam, or dry chemical to extinguish.
P405	Store locked up
P403+P235	Store in a well ventilated place. Keep cool

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 %
Diglycidyl Ether of Bisphenol A	25068-38-6	50.00% - 60.00%
REACTIVE DILUENT	26761-45-5	10.00% - 20.00%
n-BUTYL ACETATE	123-86-4	1.00% - 5.00%

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.

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: 27 C (81 F)

LEL: 1.00

UEL: 8.00

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

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

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

Decomposition products may include the following materials: Carbon Oxides.

Fire fighters should wear appropriate protective equipment and well-ventilated breathing apparatus.

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

Section 6: Accidental Release Measures

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

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

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

Stop leak if without risk. Move containers from area. Approach from upwind. Prevent runoff 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
Diglycidyl Ether of Bisphenol A 25068-38-6	Not Established	Not Established	Not Established
REACTIVE DILUENT 26761-45-5	Not Established	Not Established	Not Established
n-BUTYL ACETATE 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to meet exposure to airborne contaminants. Ensure adequate ventilation by standard emission testing procedures. Use appropriate respiratory equipment when needed. Ensure safety training of operators in regards to handling liquids and vapors. Follow local regulatory rules of exposure control using air purifying or air supplied respirators. 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>Viscosity: N/A</p> <p>Appearance: N/A</p> <p>Vapor Pressure: 0.73 mmHg</p> <p>Vapor Density: 4.0</p> <p>DENSITY: 8.94</p> <p>Freezing point: N/A</p> <p>Boiling range: 126°C</p> <p>Evaporation rate: N/A</p> <p>Explosive Limits: N/A</p> <p>Autoignition temperature: N/A</p>	<p>Coating VOC Lb/Gal: 0.28</p> <p>Odor: N/A</p> <p>Odor threshold: N/A</p> <p>pH: N/A</p> <p>Melting point: N/A</p> <p>Solubility: N/A</p> <p>Flash point: 81 F, 27 C</p> <p>Flammability: N/A</p> <p>Partition coefficient (n-octanol/water): N/A</p> <p>Decomposition temperature: 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, strong acids, or aliphatic amines.

Under normal use, no hazardous decomposition products are produced.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Dermal Toxicity LD50: 366mg/kg

Routes of Entry:

Ingestion

Exposure to this material may affect the following organs:

Eyes Central Nervous System Skin Respiratory System

Effects of Overexposure

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

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

Section 13: Ecological

No known significant effects or critical hazards.

Component Ecotoxicity

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

Section 13: Disposal Considerations

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

- None

HAZARDOUS AIR POLLUTANTS

- None

HAZARDOUS SUBSTANCE/CHEMICALS/POLLUTANTS

- None

MASSACHUSETTS RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 1 to 5 %

NEW JERSEY RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 1 to 5 %

PENNSYLVANIA RIGHT TO KNOW
123-86-4 n-BUTYL ACETATE 1 to 5 %

- None

CHEMICAL LIST FOR SARA 311
- None

- None

CHEMICAL LIST FOR SARA 313
- None

Country Regulation All Components Listed

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

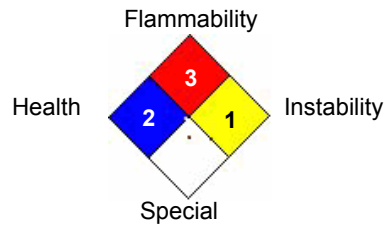
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

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

Reviewer Revision

Date Prepared: 9/21/2016

SAFETY DATA SHEET

Section 1: Manufacturer's Identification

Product Name: CERAMASAFE 90 PART B Product Code: Q-2868

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)
Inhalation Toxicity	Acute Tox. 3	Gases >500 and ≤ 2500 ppm, Vapors >2 and ≤ 10 mg/l, Dusts & mists >0.5 and ≤ 1 mg/l
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
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1B	Presumed, Based on experimental animals

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
H331	Toxic if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350	May cause cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash equipment and contaminated skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area
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
P311	Call a POISON CENTER or doctor/physician
P321	Wash contaminated skin, follow Physician's instructions for treatment.

P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
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
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+P233	Store in a well ventilated place. Keep container tightly closed
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 %
Methylenebiscyclohexanamine, 4,4'-	1761-71-3	5.00% - 10.00%
n-BUTYL ACETATE	123-86-4	5.00% - 10.00%
2,4,6 TRIDIMETHLYAMINOMETHYLPHENOL	90-72-2	1.00% - 5.00%
ISOBUTANOL	78-83-1	1.00% - 5.00%
Tytan TnBT	5593-70-4	1.00% - 5.00%
* 1,2,4-TRIMETHYL BENZENE	95-63-6	1.00% - 5.00%
Cumene	98-82-8	0.10% - 1.00%
Microcrystalline silica 98.5-99.0%	14808-60-7	0.10% - 1.00%

(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 washes with soap and water. Remove contaminated clothing and laundry 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: 11.00

Carbon dioxide, foam, dry chemical, water spray.

Decomposition and combustion products may be toxic

Self contained breathing apparatus

Section 6: Accidental Release Measures

Absorb onto sand or other absorbent material. Shovel into closed container for disposal. Flush contaminated area with water.

Section 7: Handling and Storage

Causes severe eye irritation and may cause eye burns. Can cause skin irritation.

May be harmful if swallowed. Avoid vapor or mist. Avoid skin contact. Wash thoroughly after handling. Overexposure can have effects on nervous system. Store in closed containers.

Section 8: Exposure Controls/ Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Methylenebis(cyclohexanamine), 4,4'- 1761-71-3	Not Established	Not Established	Not Established
n-BUTYL ACETATE 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
2,4,6 TRIDIMETHYLAMINOMETH YLPHENOL 90-72-2	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
Tytan TnBT 5593-70-4	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
Cumene 98-82-8	50 ppm TWA; 245 mg/m3 TWA	50 ppm TWA	NIOSH: 50 ppm TWA; 245 mg/m3 TWA
Microcrystalline silica 98.5- 99.0% 14808-60-7	.05 mg/m3 TWA	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

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>Viscosity: N/A</p> <p>Appearance: N/A</p> <p>Vapor Pressure: 4.1 mmHg@20C</p> <p>Vapor Density: 3.5</p> <p>DENSITY 7.79</p> <p>Freezing point: N/A</p> <p>Boiling range: 108°C</p> <p>Evaporation rate: N/A</p> <p>Explosive Limits: N/A</p> <p>Autoignition temperature: N/A</p>	<p>Coating VOC Lb/Gal 1.08</p> <p>Odor: N/A</p> <p>Odor threshold: N/A</p> <p>pH: N/A</p> <p>Melting point: N/A</p> <p>Solubility: N/A</p> <p>Flash point: 81 F,27 C</p> <p>Flammability: N/A</p> <p>Partition coefficient (n- N/A octanol/water):</p> <p>Decomposition temperature: 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

Oral Toxicity LD50: 3,960mg/kg
 Inhalation Toxicity LC50: 5mg/L

Routes of Entry:

Inhalation	Skin Contact	Eye Contact	Ingestion
Blood	Eyes	Lungs	Central Nervous System
			Skin
			Respiratory System

Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
98-82-8	Cumene	.1 to 1.0%	Cumene: IARC: Possible human carcinogen OSHA: listed
14808-60-7	Microcrystalline silica 98.5-99.0%	.1 to 1.0%	Microcrystalline silica 98.5-99.0%: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

Section 12: Ecological Information

None available.

Component Ecotoxicity

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

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

HAZARDOUS AIR POLLUTANTS

- 98-82-8 Cumene

MASSACHUSETTS RIGHT TO KNOW

- 14808-60-7 Microcrystalline silica 98.5-99.0% 0.1 to 1.0 %
- 98-82-8 Cumene 0.1 to 1.0 %
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
- 78-83-1 ISOBUTANOL 1 to 5 %
- 123-86-4 n-BUTYL ACETATE 5 to 10 %

NEW JERSEY RIGHT TO KNOW

- 14808-60-7 Microcrystalline silica 98.5-99.0% 0.1 to 1.0 %
- 98-82-8 Cumene 0.1 to 1.0 %
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
- 78-83-1 ISOBUTANOL 1 to 5 %
- 123-86-4 n-BUTYL ACETATE 5 to 10 %

PENNSYLVANIA RIGHT TO KNOW

- 14808-60-7 Microcrystalline silica 98.5-99.0% 0.1 to 1.0 %
- 98-82-8 Cumene 0.1 to 1.0 %
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 1 to 5 %
- 78-83-1 ISOBUTANOL 1 to 5 %
- 123-86-4 n-BUTYL ACETATE 5 to 10 %

- 14808-60-7 Microcrystalline silica 98.5-99.0%
- 98-82-8 Cumene
- 78-83-1 ISOBUTANOL
- 1761-71-3 Methylenebis(cyclohexanamine, 4,4'-

CHEMICAL LIST FOR SARA 313
 95-63-6 * 1,2,4-TRIMETHYL BENZENE

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

EU Risk Phrases

Safety Phrase

- None

Section 16: Other Information

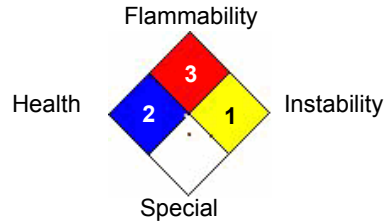
HMIS and NAFTA rating are on a 0 to 4 rating scale with 0 minimal hazard, and 4 represent significant danger or hazard.

Hazardous Material Information System (HMIS)

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

Reviewer Revision

Date Prepared: 9/21/2016