# SAFETY DATA SHEET

## SECTION 1- MANUFACTURER'S IDENTIFICATION

Product Name: PERMA-GLOSS LV WTB PART A  Product Code: A4-1594W

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 |
| Oral Toxicity | Acute Tox. 3 |
| Skin corrosive | 2 |
| Eye corrosive | 2A |
| Skin sensitizer | 1 |
| Carcinogen | 1A |
| Reproductive toxin | 1A |

**GHS Hazards**

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H301 | Toxic if swallowed |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H350 | May cause cancer |
| H360 | May damage fertility or the unborn child |

**GHS Precautions**

| | |
|---|---|
| P201 | Obtain special instructions before use |
| P202 | Do not handle until all safety precautions have been read and understood |
| P210 | Keep away from heat/sparks/open flames/hot surfaces - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash equipment and contaminated skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P281 | Use personal protective equipment as required |
| P321 | Wash contaminated skin, follow Physcian's instructions for treatment. |
| P330 | Rinse mouth |
| 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**

## Section 3 - Hazards Identification

| Chemical Name | CAS number | Weight Concentration % |
|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 30.00% - 40.00% |
| Titanium Dioxide Colorant | 13463-67-7 | 20.00% - 30.00% |
| Kaolin | 1332-58-7 | 1.00% - 5.00% |
| DIPROPYLENE GLYCOL n-BUTYL ETHER | 29911-28-2 | 1.00% - 5.00% |
| Feldspar | 68476-25-5 | 1.00% - 5.00% |
| Microcrystaline silica 98.5-99.0% | 14808-60-7 | 0.10% - 1.00% |
| Mixed Xylenes | 1330-20-7 | 0.10% - 1.00% |

## Section 4 - First Aid Measures

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician . Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

**INGESTION** - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.
Notes to Physician: No data found

## Section 5 - Fire Fighting Measures

Flash Point: 26 C (79 F)

LEL: 1.00 UEL: 20.00

Flamable Product

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO2), "alcohol" foam, dry chemical systems, water fog, water spray.
**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Under normal storage conditions this product is stable.
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and hydrocarbons

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.Use water spray to cool unopened containors.
**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

## Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.
**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant materials with water to prevent spontaneous combustion with alkyd type formulas.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.
**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas .

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant with water for alkyd type spills.

## Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).
**STORAGE:** Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

**REGULATORY REQUIREMENTS:** No data found.

## Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)-<br>98-56-6 | Not Established | Not Established | Not Established |
| Titanium Dioxide Colorant<br>13463-67-7 | 15 mg/m3 TWA (total dust) | 10 mg/m3 TWA | Not Established |
| Kaolin<br>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) |
| DIPROPYLENE GLYCOL n-BUTYL ETHER<br>29911-28-2 | Not Established | Not Established | Not Established |

| | | | |
|---|---|---|---|
| Feldspar<br>68476-25-5 | Not Established | Not Established | Not Established |
| Microcrystaline silica 98.5-99.0%<br>14808-60-7 | .05 mg/m3 TWA | 0.025 mg/m3 TWA (respirable fraction) | NIOSH: 0.05 mg/m3 TWA (respirable dust) |
| Mixed Xylenes<br>1330-20-7 | 100 ppm TWA; 435 mg/m3 TWA | 150 ppm STEL<br>100 ppm TWA | Not Established |

**ENGINEERING:** Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the workplace. Use explosion-proof equipment and good manufacturing practice.
**VENTILATION:** Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits.

**ADMINISTRATIVE CONTROLS:** No data found.
**PROTECTIVE EQUIPMENT:** Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.
**CONTAMINATED EQUIPMENT:** Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

| | |
|---|---|
| **Evaporation rate:** NA | **Flammability:** NA |
| **Explosive Limits:** NA | **Flash point:** 79F |
| **Partition coefficient (n-octanol/water):** NA | **Autoignition temperature:** NA |
| **Decomposition temperature:** NA | **Viscosity:** NA |
| **Coating VOC Lb/Gal** 0.72 | **Appearance:** NA |
| **Odor:** NA | **Vapor Pressure:** NA |
| **Odor threshold:** NA | **Vapor Density:** NA |
| **pH:** NA | **DENSITY** 13.84 |
| **Melting point:** NA | **Freezing point:** NA |
| **Solubility:** NA | **Boiling range:** NA |

## Section 10 - Stability and Reactivity

Stability: This product is stable under normal storage conditions.
STABLE
Avoid strong oxidizing agents.

This mixture is likely to exhibit the following combustion products: Carbon oxides.

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**

Oral Toxicity LD50: 150mg/kg
Inhalation Toxicity LC50: 93mg/L

**Component Toxicity**

| | |
|---|---|
| 98-56-6 | Benzene, 1-chloro-4-(trifluoromethyl)-<br>Oral LD50: 13 g/kg (Rat) Dermal LD50: 3 g/kg (RABBIT) Inhalation LC50: 33 mg/L (Rat) |
| 29911-28-2 | DIPROPYLENE GLYCOL n-BUTYL ETHER<br>Oral LD50: 1,620 µL/kg (Rat) Inhalation LC50: 42 ppm (Rat) |
| 14808-60-7 | Microcrystaline silica 98.5-99.0%<br>Oral LD50: 500 mg/kg (Rat) |
| 1330-20-7 | Mixed Xylenes<br>Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 29 mg/L (Rat) |

Routes of Entry:

Exposure to this material may affect the following organs:

Eyes Lungs 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 |
|---|---|---|---|
| 14808-60-7 | Microcrystaline silica 98.5-99.0% | .1 to 1.0% | Microcrystaline silica 98.5-99.0%: NIOSH: potential occupational carcinogen<br>IARC: Human carcinogen<br>OSHA: listed |
| 13463-67-7 | Titanium Dioxide Colorant | 20 to 30% | Titanium Dioxide Colorant: NIOSH: potential occupational carcinogen<br>IARC: Possible human carcinogen<br>OSHA: listed |

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired kidney and liver functions from preexisting disorders may be aggravated by exposure to this product.

Kidney damage may be evidenced by changes in urine output, urine appearance, or edema (swelling from fluid retention). Liver damage may be evidenced by loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

## Section 12 - Ecological Information

Ecological information: No data found.

**Component Ecotoxicity**

| | |
|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 48 Hr EC50 Daphnia magna: 3.68 mg/L |
| DIPROPYLENE GLYCOL n-BUTYL ETHER | 96 Hr LC50 Poecilia reticulata: 841 mg/L [static] |

| | |
|---|---|
| Mixed Xylenes | 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]<br>48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L |

**Section 13 - Disposal Considerations**

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

**Section 14 - Transport Information**

## Section 14 - Transport Information

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

**15: Regulatory Information**

All components are in compliance with TSCA inventory listing or are exempt.

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 %
14808-60-7 Microcrystaline silica 98.5-99.0% 0.1 to 1.0 %

CHEMICAL LIST FOR SARA 313

1330-20-7 Mixed Xylenes

CHEMICAL LIST FOR SARA 311/312

29911-28-2 DIPROPYLENE GLYCOL n-BUTYL ETHER
14808-60-7 Microcrystaline silica 98.5-99.0%
1330-20-7 Mixed Xylenes

CHEMICAL LIST FOR SARA 311

1330-20-7 Mixed Xylenes

MASSACHUSETTS RIGHT TO KNOW

13463-67-7 Titanium Dioxide Colorant 20 to 30 %
1332-58-7 Kaolin 1 to 5 %
14808-60-7 Microcrystaline silica 98.5-99.0% 0.1 to 1.0 %

NEW JERSEY RIGHT TO KNOW

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

1332-58-7 Kaolin 1 to 5 %
14808-60-7 Microcrystaline silica 98.5-99.0% 0.1 to 1.0 %

PENNSYLVANIA RIGHT TO KNOW
13463-67-7 Titanium Dioxide Colorant 20 to 30 %
1332-58-7 Kaolin 1 to 5 %
14808-60-7 Microcrystaline silica 98.5-99.0% 0.1 to 1.0 %

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

**EU Risk Phrases**

**Safety Phrase**

- None

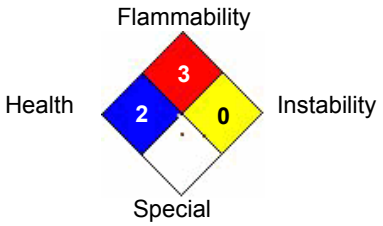
## 16: OTHER INFORMATION

**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)**




Reviewer Revision

Date Prepared: 7/10/2018

# SAFETY DATA SHEET

## SECTION 1- MANUFACTURER'S IDENTIFICATION

Product Name: PERMA-GLOSS LV CTB PART A  Product Code: A4-1597C

Trade Name:  PERMA GLOSS LV

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 |
| Skin corrosive | 2 |
| Eye corrosive | 2A |
| Skin sensitizer | 1 |
| Mutagen | 1B |
| Carcinogen | 1B |
| Reproductive toxin | 1A |

**GHS Hazards**

| | |
|---|---|
| H225 | Highly flammable |
| 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. |
| 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 |
| P321 | Wash contaminated skin, follow Physcian's instructions for treatment. |
| P362 | Take off contaminated clothing and wash before reuse |
| P363 | Wash contaminated clothing before reuse |
| P302+P352 | IF ON SKIN: Wash with soap and water |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. 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**

## Section 3 - Hazards Identification

| Chemical Name | CAS number | Weight Concentration % |
|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 98-56-6 | 50.00% - 60.00% |
| Dimethyl Carbonate | 616-38-6 | 5.00% - 10.00% |
| Kaolin | 1332-58-7 | 5.00% - 10.00% |
| Mixed Xylenes | 1330-20-7 | 0.10% - 1.00% |
| Naptha(Pet), light arom. | 64742-95-6 | 0.10% - 1.00% |

## Section 4 - First Aid Measures

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician . Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water .

**INGESTION** - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.
Notes to Physician: No data found

## Section 5 - Fire Fighting Measures

Flash Point: 18 C (64 F)

LEL: UEL:

Flamable Product

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO2), "alcohol" foam, dry chemical systems, water fog, water spray.
**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Under normal storage conditions this product is stable.
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and hydrocarbons

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area . Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.Use water spray to cool unopened containors.
**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area . Decontaminate personnel and

equipment with a water wash-down after fire and smoke exposure.

## Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.
**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant materials with water to prevent spontaneous combustion with alkyd type formulas.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.
**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas .

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant with water for alkyd type spills.

## Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).
**STORAGE:** Prevent from freezing. Do not store above 120 F (49 C).

Store only in original containers.

**REGULATORY REQUIREMENTS:** No data found.

## Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|---|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)-<br>98-56-6 | Not Established | Not Established | Not Established |
| Dimethyl Carbonate<br>616-38-6 | Not Established | Not Established | Not Established |
| Kaolin<br>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) |
| Mixed Xylenes<br>1330-20-7 | 100 ppm TWA; 435 mg/m3 TWA | 150 ppm STEL<br>100 ppm TWA | Not Established |
| Naptha(Pet), light arom.<br>64742-95-6 | Not Established | Not Established | Not Established |

**ENGINEERING:** Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the workplace. Use explosion-proof equipment and good manufacturing practice.
**VENTILATION:** Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits.

**ADMINISTRATIVE CONTROLS:** No data found.
**PROTECTIVE EQUIPMENT:** Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.
**CONTAMINATED EQUIPMENT:** Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

| | |
|---|---|
| **Evaporation rate:** NA | **Flammability:** NA |
| **Explosive Limits:** NA | **Flash point:** 79F |
| **Partition coefficient (n-octanol/water):** NA | **Autoignition temperature:** NA |
| **Decomposition temperature:** NA | **Viscosity:** NA |
| **Coating VOC Lb/Gal** 0.39 | **Appearance:** NA |
| **Odor:** NA | **Vapor Pressure:** NA |
| **Odor threshold:** NA | **Vapor Density:** NA |
| **pH:** NA | **DENSITY** 11.30 |
| **Melting point:** NA | **Freezing point:** NA |
| **Solubility:** NA | **Boiling range:** NA |

## Section 10 - Stability and Reactivity

Stability: This product is stable under normal storage conditions.
STABLE
Avoid strong oxidizing agents.

This mixture is likely to exhibit the following combustion products: Carbon oxides.

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**
Inhalation Toxicity LC50: 64mg/L
**Component Toxicity**

| | |
|---|---|
| 98-56-6 | Benzene, 1-chloro-4-(trifluoromethyl)-<br>Oral LD50: 13 g/kg (Rat) Dermal LD50: 3 g/kg (RABBIT) Inhalation LC50: 33 mg/L (Rat) |
| 616-38-6 | Dimethyl Carbonate<br>Oral LD50: 13 g/kg (Rat) Inhalation LC50: 140 mg/L (Rat) |
| 1330-20-7 | Mixed Xylenes |

| | |
|---|---|
| | Oral LD50: 3,500 mg/kg (Rat) Inhalation LC50: 29 mg/L (Rat) |
| 64742-95-6 | Naptha(Pet), light arom.<br>Inhalation LC50: 3,400 ppm (Rat) |

Routes of Entry:

Exposure to this material may affect the following organs:
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 |
|---|---|---|---|
| 64742-95-6 | Naptha(Pet), light arom. | .1 to 1.0% | Naptha(Pet), light arom.: EU REACH: Present (P) |

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired kidney and liver functions from preexisting disorders may be aggravated by exposure to this product.

Kidney damage may be evidenced by changes in urine output, urine appearance, or edema (swelling from fluid retention). Liver damage may be evidenced by loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

## Section 12 - Ecological Information

Ecological information: No data found.

**Component Ecotoxicity**

| | |
|---|---|
| Benzene, 1-chloro-4-(trifluoromethyl)- | 48 Hr EC50 Daphnia magna: 3.68 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]<br>48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L |
| Naptha(Pet), light arom. | 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L<br>48 Hr EC50 Daphnia magna: 6.14 mg/L |

## Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

**Section 14 - Transport Information**

## Section 14 - Transport Information

| Agency | Proper Shipping Name | UN Number | Packing Group | Hazard Class |
|---|---|---|---|---|
| DOT | PAINT | UN1263 | II | 3 |
| IOTA | PAINT | UN1263 | II | 3 |

**15: Regulatory Information**

All components are in compliance with TSCA inventory listing or are exempt.

CHEMICAL LIST FOR SARA 313
1330-20-7 Mixed Xylenes

CHEMICAL LIST FOR SARA 311/312
1330-20-7 Mixed Xylenes

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

MASSACHUSETTS RIGHT TO KNOW
616-38-6 Dimethyl Carbonate 5 to 10 %
1332-58-7 Kaolin 5 to 10 %

NEW JERSEY RIGHT TO KNOW
616-38-6 Dimethyl Carbonate 5 to 10 %
1332-58-7 Kaolin 5 to 10 %

PENNSYLVANIA RIGHT TO KNOW
616-38-6 Dimethyl Carbonate 5 to 10 %
1332-58-7 Kaolin 5 to 10 %

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

**EU Risk Phrases**

**Safety Phrase**

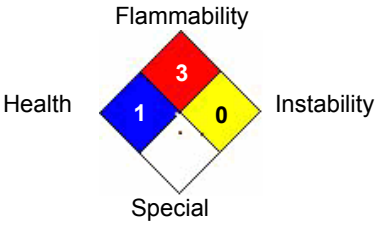
- None

**16: OTHER INFORMATION**

**Hazardous Material Information System (HMIS)** **National Fire Protection Association (NFPA)**

| | | |
|---|---|---|
| HEALTH | * | 1 |
| FLAMMABILITY | | 3 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | G |

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




Reviewer Revision

Date Prepared: 7/10/2018

# SAFETY DATA SHEET

## SECTION 1- MANUFACTURER'S IDENTIFICATION

Product Name: PERMAGLOSS ACTIVATOR  Product Code: Q4-1214

Trade Name:  POLYMERIC HMDI

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) |
| Inhalation Toxicity | Acute Tox. 4 | Gases>2500+<=5000ppm, Vapors>10+<=20mg/l, Dusts&mists>1+<=5mg/l |
| Skin sensitizer | 1 | Skin sensitizer |
| Organ toxin single exposure | 3 | Transient target organ effects- Narcotic effects- Respiratory tract irritation |

**GHS Hazards**

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H317 | May cause an allergic skin reaction |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |

**GHS Precautions**

| | |
|---|---|
| P210 | Keep away from heat/sparks/open flames/hot surfaces - No smoking. |
| P233 | Keep container tightly closed. |
| 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. |
| 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 |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |
| 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 |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| 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 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: Warning**

Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product. Impaired kidney and liver functions from preexisting disorders may be aggravated by exposure to this product.

Kidney damage may be evidenced by changes in urine output, urine appearance, or edema (swelling from fluid retention). Liver damage may be evidenced by loss of appetite, jaundice and sometimes pain in the upper abdomen on the right side.

## Section 3 - Hazards Identification

| Chemical Name | CAS number | Weight Concentration % |
|---|---|---|
| Homopolymer of Hexamethylene Diisocyanate. | 28182-81-2 | 80.00% - 90.00% |
| n-BUTYL ACETATE | 123-86-4 | 1.00% - 5.00% |
| Naptha(Pet), light arom. | 64742-95-6 | 1.00% - 5.00% |
| Mixed Xylenes | 1330-20-7 | 0.10% - 1.00% |
| Benzene,1,3,5-trimethyl | 108-67-8 | 0.10% - 1.00% |
| HEXAMETHYLENE DIISOCYANATE | 822-06-0 | 0.10% - 1.00% |
| * 1,2,4-TRIMETHYL BENZENE | 95-63-6 | 0.10% - 1.00% |

## Section 4 - First Aid Measures

**INHALATION** - If product solids are inhaled either as dust or in the form of a spray mist, remove the person from exposure immediately. If breathing is difficult, irregular, or has stopped, start resuscitation; call a physician . Administer oxygen if a qualified operator is available.

**EYE CONTACT** - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

**SKIN CONTACT** - In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

**INGESTION** - If material is ingested, seek immediate medical attention. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.
Notes to Physician: No data found

## Section 5 - Fire Fighting Measures

Flash Point: 47 C (117 F)

LEL: 1.00 UEL: 8.00

Flamable Product

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO2), "alcohol" foam, dry chemical systems. Direct water application may cause violent frothing.
**UNUSUAL FIRE OR EXPLOSION HAZARDS:** Moisture can cause significant pressure increases in the packaging, leading to pressure caused leaks or even explosions.
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, hydrocarbons,hydrogen cyanide, oxides of sulfur and or zinc.

**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area . Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.Use water spray to cool unopened containors.
**FIRE FIGHTING:** If evacuation of personnel is necessary, evacuate to an upwind area . Decontaminate personnel

and equipment with a water wash-down after fire and smoke exposure.

## Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.
**SMALL SPILLS:** Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant materials with water to prevent spontaneous combustion with alkyd type formulas.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.
**LARGE SPILLS:** Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas .

Ventilate the contaminated area. Using nonsparking tools, mix the appropriate sorbent into the spilled material. Use an absorbent like sawdust for aqueous, waterborne, and solvent-borne coatings.

Collect the saturated sorbent and transfer it into a covered container. Steel containers are acceptable for all wastes except wastes which contain acid. Use suitable plastic containers for acid-bearing wastes. Wet absorbant with water for alkyd type spills.

## Section 7 - Handling and Storage

**HANDLING PRECAUTIONS:** Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).
**STORAGE:** Prevent from freezing. Do not store above 120 F (49 C). Keep in dry areas.

Store only in original containers.

**REGULATORY REQUIREMENTS:** No data found.

## Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---|---|---|---|
| Homopolymer of Hexamethylene Diisocyanate. 28182-81-2 | 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 |
| Naptha(Pet), light arom. 64742-95-6 | 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 |
| Benzene,1,3,5-trimethyl 108-67-8 | Not Established | Not Established | NIOSH: 25 ppm TWA; 125 mg/m3 TWA |

| | | | |
|---|---|---|---|
| HEXAMETHYLENE DIISOCYANATE<br>822-06-0 | Not Established | 0.005 ppm TWA | NIOSH: 0.005 ppm TWA; 0.035 mg/m3 TWA<br>0.020 ppm Ceiling (10 min); 0.140 mg/m3 Ceiling (10 min) |
| * 1,2,4-TRIMETHYL BENZENE<br>95-63-6 | Not Established | Not Established | NIOSH: 25 ppm TWA; 125 mg/m3 TWA |

**ENGINEERING:** Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the workplace. Use explosion-proof equipment and good manufacturing practice.

**VENTILATION:** Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits.

**ADMINISTRATIVE CONTROLS:** No data found.

**PROTECTIVE EQUIPMENT:** Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Wear chemical vapor mask or air supplied mask during exposure of vapors.

**CONTAMINATED EQUIPMENT:** Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

## Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

| | |
|---|---|
| **Coating VOC Lb/Gal** 0.49 | **Appearance:** N/A |
| **Odor:** N/A | **Vapor Pressure:** 6.1 mmHg |
| **Odor threshold:** N/A | **Flammability:** N/A |
| **Explosive Limits:** N/A | **Vapor Density:** 4.3 |
| **pH:** N/A | **DENSITY** 9.84 |
| **Melting point:** N/A | **Freezing point:** N/A |
| **Solubility:** N/A | **Boiling range:** 126°C |
| **Flash point:** 117 F,47 C | **Evaporation rate:** N/A |
| **Partition coefficient (n-octanol/water):** N/A | **Autoignition temperature:** N/A |
| **Decomposition temperature:** N/A | **Viscosity:** N/A |

## Section 10 - Stability and Reactivity

Stability: The product is stable under normal storage conditions

STABLE

The product is unstable in the presence of water, and active hydrogen containing compounds such as amines, alcohols, and acids.

This mixture is likely to exhibit the following combustion products: Carbon oxides, hydrogen cyanide, alipahtic compounds, and oxides of sulfur and zinc.

Hazardous polymerization will not occur.

## Section 11 - Toxicological Information

**Mixture Toxicity**

Oral Toxicity LD50: 84mg/kg
Inhalation Toxicity LC50: 5mg/L

Routes of Entry: Skin, Eyes, Breathing

Exposure to this material may affect the following organs:Skin, lungs, eyes, internal organs.

**Blood** **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).

| CAS Number | Description | % Weight | Carcinogen Rating |
|---|---|---|---|
| 64742-95-6 | Naptha(Pet), light arom. | 1 to 5% | Naptha(Pet), light arom.: EU REACH: Present (P) |

## Section 12 - Ecological Information

**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]<br>72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L |
| Naptha(Pet), light arom. | 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L<br>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]<br>48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L |
| Benzene,1,3,5-trimethyl | 96 Hr LC50 Pimephales promelas: 3.48 mg/L |
| HEXAMETHYLENE DIISOCYANATE | 96 Hr LC50 Brachydanio rerio: 26.1 mg/L [static] |
| * 1,2,4-TRIMETHYL BENZENE | 96 Hr LC50 Pimephales promelas: 7.19 - 8.28 mg/L [flow-through]<br>48 Hr EC50 Daphnia magna: 6.14 mg/L |

## Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

## Section 14 - Transport Information

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

**15: Regulatory Information**

All components are in compliance with TSCA inventory listing or are exempt.

HAZARDOUS AIR POLLUTANTS
- 1330-20-7 Mixed Xylenes
- 822-06-0 HEXAMETHYLENE DIISOCYANATE

MASSACHUSETTS RIGHT TO KNOW
- 1330-20-7 Mixed Xylenes 0.1 to 1.0 %
- 108-67-8 Benzene,1,3,5-trimethyl 0.1 to 1.0 %
- 822-06-0 HEXAMETHYLENE DIISOCYANATE 0.1 to 1.0 %
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 0.1 to 1.0 %
- 123-86-4 n-BUTYL ACETATE 1 to 5 %

NEW JERSEY RIGHT TO KNOW
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 0.1 to 1.0 %
- 822-06-0 HEXAMETHYLENE DIISOCYANATE 0.1 to 1.0 %
- 1330-20-7 Mixed Xylenes 0.1 to 1.0 %
- 123-86-4 n-BUTYL ACETATE 1 to 5 %

PENNSYLVANIA RIGHT TO KNOW
- 1330-20-7 Mixed Xylenes 0.1 to 1.0 %
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE 0.1 to 1.0 %
- 123-86-4 n-BUTYL ACETATE 1 to 5 %

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

CHEMICAL LIST FOR SARA 311/312
- 1330-20-7 Mixed Xylenes
- 28182-81-2 Homopolymer of Hexamethylene Diisocyanate.

CHEMICAL LIST FOR SARA 313
- 95-63-6 * 1,2,4-TRIMETHYL BENZENE
- 1330-20-7 Mixed Xylenes

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

**EU Risk Phrases**

**Safety Phrase**

- None

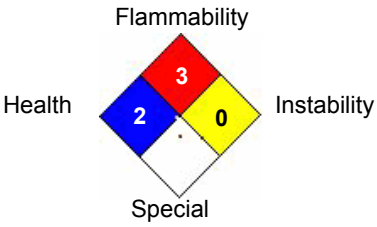
## 16: OTHER INFORMATION

**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)**




Reviewer Revision

Date Prepared: 3/10/2017