



Product Information

and

Safety Data Sheets

**UGlaze[®] Part A****SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION**

Manufacturer's Name: UCoat It America, LLC.
Address: 1797 Atlantic Blvd., Auburn Hills, MI 48326
Date Revised: 07-07-2016

Emergency Phone: Chemtrec - 1(800) 424-9300
Information Phone: 248-545-4055
Fax: 248-393-4300

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>CONTENT</u>
Homopolymer of HDI	281821-21-2	60-100%
Hexamethylene Diisocyanate	822-06-0	<=0.25%
Hydrophillic Aliphatic Polyisocyanate based on HMDI	Trade Secret	>=1.0%

California Proposition 65 Ingredients

None

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

None

SECTION 3 - HAZARDOUS IDENTIFICATION**Hazard overview**Classification of the Substance or Mixture:

Resp Sensitizer, CAT 1; Acute Toxicity Inhale, CAT 4; STOT Single Exposure, CAT 3A, Respiratory

Signal Word:

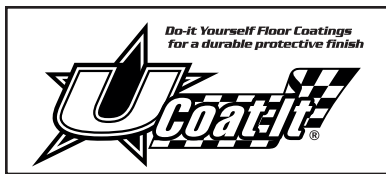
DANGER

Hazard Statements:

H305	May be harmful if swallowed and enters airways	Aspiration Hazard, Cat 2
H317	May cause an allergic skin reaction	Skin Sensitizer, Cat 1
H332	Harmful if inhaled	Acute Toxicity, Cat 4, Inhale
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled	Resp Sensitizer, Cat 1
H335	May cause respiratory irritation	Stot Single Exposure, Cat 3, Respiratory
H373	May cause damage to organs through prolonged or repeated exposure	Stot Repeated Exposure, Cat 2, Lungs
H402	Harmful to aquatic life	Acute Aquatic Environmental Hazard, Cat 3

Precautionary Statements:

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe fume/gas/mist/vapors/spray
P261	Avoid breathing vapors
P264	Wash thoroughly after handling
P270	Do not eat/drink/smoke while using this product
P271	Use only outdoors or in a well ventilated areas
P272	Contaminated clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/protective clothing/eye protection/face protection
P285	In case of inadequate ventilation wear respiratory protection
P301 + P310	If swallowed: immediately call a poison center/doctor



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P302+P362+P353	If on skin: take off contaminated clothing, rinse skin with water/shower
P304+P340+P314	If inhaled: remove person to fresh air and keep comfortable for breathing, get medical advice/attention if you feel unwell.
P305+P351+P338	If in eyes: Rinse cautiously 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
P312	Call a poison center/doctor if you feel unwell
P331	Do not induce vomiting
P333+P313	If skin irritation or rash occurs, get medical advice/attention
P337+P313	If eye irritation persists: get medical advice/attention
P342+P311	If experiencing respiratory symptoms: call a poison center or doctor/physician
P363	Wash contaminated clothing before reuse
P391	Collect spillage
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910. 1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 3 - FIRST AID MEASURES

Eyes: Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.

Skin: Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting, get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

HMIS Hazard Rating No. 1

Flammable Limits in Air % by Volume: Lower: Not Established Upper: Not Established

Flash point: 365+F

Method Used: Setaflash

General Hazard: Decomposition and combustion products may be toxic.

Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray.

Special Firefighting Procedures: Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards: No unusual fire hazards known.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Avoid contact with skin or eyes, Ventilate areas, and eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material. Decontaminate spill area with a decontamination solution : 3% concentrated Ammonia, 2% detergent and 95% water, allow to react for a t least 10 minutes before cleaning.

Waste Disposal Method: Handle disposal of waste material in manner that complies with local, state, province and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.

SECTION 6 - HANDLING AND STORAGE

Precautions to be taken in handling and storage: Store in dry and cool place at 50-95°F. Protect From Freezing. Condition material to 65-85°F before using.

**UGlaze[®] Part A****SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In See section 3 for occupational exposure limit values. operations where mists can be generated or the exposure limits for crystalline silica exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV Confined spaces, room, or tanks are areas where concern for TLV's is especially important. Reference OSHA regulations CFR 29 1910.134 for recommended respiratory protection.

SECTION 8 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C): N/D	Water/Oil Distribution: N/A
Coefficient:	
VOC Content g/L: < 10 g/L (VOC)	Solubility in Water: Negligible
US EPA Method 24: Pt.A+Pt.B= < 10 g/L	
Freezing Point (°C): N/A	Specific Gravity @20°C: 1.15
Vapor Pressure @ 20°C: 5.2 x 10 ⁻⁹	pH: N/A
Vapor Density: >air	Evaporation Rate: N/A
Odor Threshold: N/A	Odor: Slight
Appearance: Amber liquid	

N/A = Not Available N/D = Not Determined Ca. = Approximate

SECTION 9 - STABILITY AND REACTIVITY DATA

HMIS Hazard Rating No. 1

Stability: Stable.

Conditions to avoid (stability): Water, amines, strong bases, alcohols, and metal compounds.

Incompatibility (material to avoid): See incompatibility.

Hazardous decomposition or by-products: Oxides of Carbon; aldehydes and acids. Decomposition and combustion products may be toxic.

SECTION 10 - TOXICOLOGICAL INFORMATION

HMIS Hazard Rating No. 2

PRIMARY ROUTE OF ENTRY: Inhalation, dermal, eyes and ingestion.

Effects Of Overexposure

Inhalation: Causes irritation of the mucous membranes, sore throat, cough, and shortness of breath.

Eyes: Vapors are irritating to the eyes and may cause tearing and clouding of the eye.

Skin Contact: Causes skin irritation and in some cases sensitization with prolonged exposure.

Ingestion: Not expected to be a relevant route of exposure although it may cause permanent damage to the mouth, throat, and stomach.

SECTION 11 - ECOLOGICAL INFORMATION

Marine Pollutant: NL

(NL = Not listed; P = Moderate; PP = Severe; ND = Not Determined)

SECTION 12 - WASTE DISPOSAL

Waste disposal method: Handle disposal of waste material in a manner that complies with all applicable local, state, provincial and federal regulations.



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SECTION 13 - TRANSPORTATION INFORMATION

DOT (LAND TRANSPORT) SHIPPING INFORMATION: DOT PROPER SHIPPING NAME: NON – REGULATED

DOT HAZARD CLASS

DOT I.D NUMBER

LABEL(S)

AIR TRANSPORT

(ICAO/IATA): NON – REGULATED

SEA TRANSPORT:

(IMDG) NON- REGULATED

SECTION 14 - REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200): HAZARDOUS

CERCLA/ SUPER FUND (40 CFR 117,302): NONE

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE

SARA HAZARD CATEGORIES (40 CFR 370): ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD,
REACTIVITY HAZARD

SARA TOXIC CHEMICALS (40 CFR 372): NONE

INVENTORY STATUS: THE CHEMICALS IN THIS PRODUCT ARE LISTED ON THE US TSCA CHEMICAL SUBSTANCES INVENTORY AND THE CANADIAN DOMESTIC SUBSTANCES LIST.

SECTION 15 - OTHER INFORMATION

THE INFORMATION HEREIN HAS BEEN COMPLIED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, U-COAT-IT CANNOT GIVE ANY GUARANTEES REGARDING INFORMATIONS FROM OTHER SOUCES, AND EXPRESSLY DOES NOT MAKE GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY, FOR IT'S USE.

DATE OF PREPARATION/ LAST REVISION: 07/01/2016

**UGlaze[®] Part B****SECTION 1 - PRODUCT AND MANUFACTURER IDENTIFICATION**

Manufacturer's Name: UCoat It America, LLC.
Address: 1797 Atlantic Blvd., Auburn Hills, MI 48326
Date Revised: 07-07-2016

Emergency Phone: Chemtrec - 1(800) 424-9300
Information Phone: 248-545-4055
Fax: 248-393-4300

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>CONTENT</u>
Propylene Glycol n-butyl ether	5131-66-8	1-5%
Triethanolamine	102-71-6	<10%
Water	7732-18-5	>=1%
Polyacrylate Resin	710313-77-2	>=1%

California Proposition 65 Ingredients

None

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 (40CFR372)

None

SECTION 3 - HAZARDOUS IDENTIFICATION**Hazard overview**Classification of the Substance or Mixture:

Aspiration Hazard, CAT 2; Carcinogenicity, CAT 2

Signal Word:

WARNING

Hazard Statements:

H305 May be harmful if swallowed and enters airways

Aspiration Hazard, CAT 2

H361 Suspected of damaging fertility or the unborn child

Reproduction Toxicity, Cat 2

Precautionary Statements:

P102 Keep out of reach of children

P103 Read label before use

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P272 Contaminated clothing should not be allowed out of the workplace

P308+P313 If exposed or concerned: Get medical advice/attention

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910. 1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard. All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 3 - FIRST AID MEASURES

Eyes: Flush eyes with cold water for a minimum of 15 minutes, lifting lower and upper eye lids throughout. Seek immediate medical attention.

Skin: Immediately remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting, get immediate medical attention, if vomiting occurs spontaneously keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen and seek medical assistance.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**HMIS Hazard Rating No. 1**

Flammable Limits in Air % by Volume: Lower: Not Established Upper: Not Established



UGlaze® Part B

Flash point: N/D

Method Used: Pinsky Martin C.C.

General Hazard: Decomposition and combustion products may be toxic

Auto-Ignition Temp.: Not Available

Extinguishing Media: Use water fog, carbon dioxide, or dry chemical.

Special Firefighting Procedures: Move containers from area if it can be done without risk. Cool fire-exposed containers with water from the side. As in any fire, wear NIOSH/MSHA approved, pressure demand self contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards: No unusual fire hazards known.

SECTION 5 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Avoid contact with skin or eyes, Ventilate areas, and eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material. Decontaminate spill area with a decontamination solution : 3% concentrated Ammonia, 2% detergent and 95% water, allow to react for a t least 10 minutes before cleaning.

Waste Disposal Method: Handle disposal of waste material in manner that complies with local, state, province and federal regulation. Landfill if solidified, or incineration at agency approved waste-disposal facilities.

SECTION 6 - HANDLING AND STORAGE

Precautions to be taken in handling and storage: Store in dry and cool place at 50-95°F. Protect From Freezing. Condition material to 65-85°F before using. Keep away from open flames and high temperatures. When handling, do not eat, drink, or smoke. Use in a ventilated area, and avoid contact with skin or eyes and avoid breathing vapors.

SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and impervious gloves. Wear clothing with long sleeves and pants. In See section 3 for occupational exposure limit values. operations where mists can be generated or the exposure limits for crystalline silica exceeded, wear a NIOSH/MSHA approved dust/fume respirator selected by a technically qualified person for the specific work conditions. Wear respirator protection whenever airborne concentrations exceed TLV Confined spaces, room, or tanks are areas where concern for TLV's is especially important. Reference OSHA regulations CFR 29 1910.134 for recommended respiratory protection.

SECTION 8 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C): 100°C

Water/Oil Distribution: N/A

Coefficient:

VOC Content g/L: < 10 g/L (VOC)

Solubility in Water: YES

US EPA Method 24: Pt.A+Pt.B= < 10 g/L

Freezing Point (°C): 0

Specific Gravity @20°C: 1.09

Vapor Pressure @ 20°C: N/D

pH: N/A

Vapor Density: >air

Evaporation Rate: Less than ether

Odor Threshold: N/A

Odor: Faint

Appearance: Colorless with liquid

N/A = Not Available

N/D = Not Determined

Ca. = Approximate

SECTION 9 - STABILITY AND REACTIVITY DATA

HMIS Hazard Rating No. 1

Stability: Stable.

Conditions to avoid (stability): Protect from freezing

Incompatibility (material to avoid): Oxidizing agents

Hazardous decomposition or by-products: Oxides of Carbon and nitrogen; Decomposition and Combustion products may be toxic. Unidentified compounds may be formed during combustion.

**UGlaze® Part B****SECTION 10 - TOXICOLOGICAL INFORMATION****HMIS Hazard Rating No. 0**

PRIMARY ROUTE OF ENTRY: Eye and skin contact, breathing, and ingestion.

Effects Of Overexposure**Inhalation:** Causes narcotic effects and headaches with overexposure.**Eyes:** Contact can cause severe irritation and burns.**Skin Contact:** In some individuals it may cause sensitization and mild burns.**Ingestion:** May cause permanent damage to the mouth throat and stomach.**SECTION 11 - ECOLOGICAL INFORMATION**

Marine Pollutant: NL

(NL = Not listed; P = Moderate; PP = Severe; ND = Not Determined)

SECTION 12 - WASTE DISPOSAL**Waste disposal method:** Handle disposal of waste material in a manner that complies with all applicable local, state, provincial and federal regulations.**SECTION 13 - TRANSPORTATION INFORMATION****DOT SHIPPING INFORMATION:**

DOT PROPER SHIPPING NAME: NON – REGULATED

DOT HAZARD CLASS:

DOT I.D NUMBER: Labels(s)

AIR TRANSPORT

(ICAO/IATA): NON – REGULATED

SEA TRANSPORT:

(IMDG) NON- REGULATED

SECTION 14 - REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200): HAZARDOUS

CERCLA/ SUPER FUND (40 CFR 117,302): NONE

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE

SARA HAZARD CATEGORIES (40 CFR 370): N/A

SARA TOXIC CHEMICALS (40 CFR 372): NONE

INVENTORY STATUS: THE CHEMICALS IN THIS PRODUCT ARE LISTED ON THE US TSCA CHEMICAL SUBSTANCES INVENTORY AND THE CANADIAN DOMESTIC SUBSTANCES LIST.

SECTION 15 - OTHER INFORMATION

THE INFORMATION HEREIN HAS BEEN COMPLIED FROM SOURCES BELIEVED TO BE RELIABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, U-COAT-IT CANNOT GIVE ANY GUARANTEES REGARDING INFORMATIONS FROM OTHER SOUCES, AND EXPRESSLY DOES NOT MAKE GUARANTEES REGARDING INFORMATION FROM OTHER SOURCES AND EXPRESSLY DOES NOT MAKE ANY WARRANTIES, NOR ASSUMES ANY LIABILITY, FOR IT'S USE.

DATE OF PREPARATION/ LAST REVISION: 07/01/2016