

SECTION 1: IDENTIFICATION

Product Name	DuraWave Water Base 1K/2K Opaque Polyurethane Flat White
Product Code #	280250. FL
Manufacturer	Gemini Industries, Inc.
Address	421 SE 27th Street El Reno, OK 73036
Phone	Local: (800) 262-5710 Toll Free : (800) 444-7833
Emergency Contact	CHEMTRE C (24H R Emergenc y Telephone) , call: 1-800-424-9300 International CHEMTRE C, call: 1-800-255-3924
Recommended Use/Restrictions	For Wood Substrate s Only.

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications	Acute Toxicity - Oral: Category 4 Acute Toxicity - Skin: Category 4 Acute Toxicity - Inhalation: Category 4 Skin Corrosion: Category 2 Eye Damage/Irritant: Category 2A Carcinogenicity: Category 2 STOT Single Exposure: Category 3
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Pictograms



Signal Word	Warning
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Hazard Statements	H302 Harmful if swallowed. H312 Harmful if in contact with skin. H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H351 Suspected of causing cancer (dust). H335 May cause respiratory irritation.
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Precautionary Statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapors/spray . P264 Wash any exposed body parts thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required.
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P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 | IF IN EYES: Rinse 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 or doctor/physician if you feel unwell.
 P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).
 P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).
 P330 | Rinse mouth.
 P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 | If eye irritation persists: Get medical advice/attention.
 P362 | Take off contaminated clothing and wash before reuse.
 P363 | Wash contaminated clothing before reuse.
 P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 | Store in a well-ventilated place. Keep cool.
 P405 | Store locked up.
 P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

Percent of the mixture consisting of ingredient(s) of unknown toxicity

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
TITANIUM DIOXIDE	5 - 10%	13463-67-7
ETHYLENE GLYCOL MONOBUTYL ETHER	5 - 10%	111-76-2
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
DIPROPYLENE GLYCOL MONOMETHYL ETHER	1 - 5%	34590-94-8

SECTION 4: FIRST AID MEASURES

General Advice	Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.
Eyes	Flush eye with plenty of water for 15 minutes, while lifting eyelid. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
Skin	Wash skin with soap and water. Though not expected, if irritation occurs, get medical attention.
Inhalation	Though not expected, if breathing is difficult, move to fresh air. If difficulty persists, get medical attention.



Ingestion Irritation may occur. If irritation persists, get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Fire Hazard No

Extinguishing Media Foam, CO2, Dry Chemical, Water Mist

Special Protective Equipment and Firefighting Procedures Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.

Unusual Fire & Explosion Material may splatter when heated. Dried film may burn.

Hazardous Combustion Products See Section 10

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Keep container closed to avoid spill or accidental release. If spilled, wear safety glasses, protective gloves, and other personal protective equipment when cleaning spilled material.

Spills / Leaks If spill/leak occurs, wear protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Place collected material into containers and dispose of according to local and federal regulations

SECTION 7: HANDLING AND STORAGE

Handling Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces.

Storage Keep container closed when not in use and during transit. Store in a sealed container in a cool, dry environment. Keep from freezing. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



Exposure Limits

Chemical Description	OSHA PEL	ACGIH TLV	Other
Titanium dioxide	15 mg/m ³	10 mg/m ³	NOT EST. (skin)
Ethylene glycol monobutyl ether	50 ppm	20 ppm	NOT EST. (skin)
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST. (skin)
Dipropylene glycol monomethyl ether	100 ppm	100 ppm	

Engineering Controls

USE WITH ADEQUATE VENTILATION. Open all doors and windows to achieve cross-ventilation or provide mechanical ventilation in work and surrounding areas. Maintain cross-ventilation during and after application until all vapors and fumes are gone.

Personal Protective Equipment

Hand	Wear gloves to prevent skin contact. Wash hands with soap and water after using and before eating or using tobacco products.
Eyes	Wear safety glasses to protect from liquid splash. Ensure eye wash and safety showers are near workstations.
Skin	Avoid contact with skin.
Respiratory	Ensure fresh air entry during application and drying. Though not expected, increase ventilation if irritation occurs. Wear respirator with particulate filter or dust mask to avoid breathing sanding dusts if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque liquid	Upper Flammability/Explosive Limit	20.40
Odor	Mild	Lower Flammability/Explosive Limit	0.60
pH value	No Data	Vapor Pressure	No Data
Freezing Point (F)	32.00	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 340.00	Relative Density/Specific Gravity	9.22793
Flash Point (F)	Not Applicable	Solubility	Completely Water Soluble
Flash Point Method Used	P Marten	Partition Coefficient	No Data
Evaporation Rate	No Data	Auto-Ignition Temperature	No Data
Flammability	No	Decomposition Temperature	No Data
Viscosity	See Tech Data Sheet		

SECTION 10: STABILITY AND REACTIVITY

Chemical Reactivity	Will not occur.
Chemical Stability	Stable.
Conditions to Avoid	High temperatures and humidity.
Materials to Avoid	Not Applicable.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
Titanium dioxide	Not available	Not available	Not available
Ethylene glycol monobutyl ether	Not available	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Dipropylene glycol monomethyl ether	5,152 mg/kg	Not available	Not available

Inhalation

Description of Effects From Short- and Long-Term Exposure:

Though not expected, vapor and mist may irritate nose, throat, and lungs. Move to fresh air. Dust, sanding dusts and particles may cause nose and throat irritation. Harmful if inhaled.

Ingestion

Description of Effects From Short- and Long-Term Exposure:

Swallowing may cause irritation. Harmful if swallowed.

Eyes

Description of Effects From Short- and Long-Term Exposure:

Contact with liquid may cause irritation.

Skin

Description of Effects From Short- and Long-Term Exposure:

Contact may cause mild irritation. Harmful if in contact with skin.

Carcinogen Information

Contains a chemical with the potential to cause cancer. Risk of cancer depends on level and duration of exposure.

Reportable Components: Titanium dioxide is classified by IARC as Group 2B a possible carcinogen based on animal studies (high concentration of dust may lead to lung cancer).

Carcinogens Listing

NTP	No
IARC	Yes
OSHA	No

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity

Dipropylene glycol monobutyl ether
Toxicity to Fish LC50: 841 mg/l - 96 h
Toxicity to Algae EC50: Not Available
Dipropylene glycol monomethyl ether
Toxicity to Fish LC50: > 10,000 mg/l - 96 h
Toxicity to Algae EC50: Not Available

Biodegradability No Data

Bioaccumulation No Data

SECTION 13: DISPOSAL CONSIDERATION

Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

SECTION 14: TRANSPORT INFORMATION

DOT Description

WATERBASE PAINT, NOT REGULATED

SECTION 15: REGULATORY INFORMATION

TSCA Status In compliance with TSCA inventory requirements for commercial purposes.

SARA 312 Regulated Chemical(s) Titanium dioxide
Ethylene glycol monobutyl ether
Dipropylene glycol monobutyl ether
Dipropylene glycol monomethyl ether

SARA 313 Regulated Chemical(s) Ethylene glycol monobutyl ether

California Prop. 65  WARNING: Cancer - www.P65Warnings.ca.gov.

PA Right to know Chemical(s) Titanium dioxide
Ethylene glycol monobutyl ether

NJ Right to know Chemical(s) Titanium dioxide
Ethylene glycol monobutyl ether

Dipropylene glycol monomethyl ether

MA Right to know Chemical(s)

Titanium dioxide
Ethylene glycol monobutyl ether
Dipropylene glycol monomethyl ether

Canada

Not Applicable.

Additional Regulatory Information

Not Applicable.

SECTION 16: OTHER INFORMATION

HMIS

DuraWave Water Base 1K/2K Opaque Polyurethane

Flat White

HEALTH	1*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

HMIS® Hazardous Material Information System

HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risk, and 4 representing significant hazards or risks. HMIS was developed as a means of identifying and communicating workplace hazards associated with paints and coatings. Ratings are to be used with a fully implemented HMIS program. The workplace employer is responsible for determining the Personal Protection (PPE) code of this material.

HMIS® is the registered mark of the American Coatings Association (ACA)

DISCLAIMER

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SECTION 1: IDENTIFICATION

Product Name	DuraWave Water Base 1K/2K Opaque Polyurethane e Semi-Gloss White
Product Code #	280250.S G
Manufacturer	Gemini Industries, Inc.
Address	421 SE 27th Street El Reno, OK 73036
Phone	Local: (800) 262-5710 Toll Free: (800) 444-7833
Emergency Contact	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
Recommended Use/Restrictions	For Wood Substrates Only.

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications	Acute Toxicity - Oral: Category 4 Acute Toxicity - Skin: Category 4 Acute Toxicity - Inhalation: Category 4 Skin Corrosion: Category 2 Eye Damage/Irritant: Category 2A Carcinogenicity: Category 2 STOT Single Exposure: Category 3
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Pictograms	
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Signal Word	Warning
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Hazard Statements	H302 Harmful if swallowed. H312 Harmful if in contact with skin. H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H351 Suspected of causing cancer (dust). H335 May cause respiratory irritation.
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Precautionary Statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapors/spray . P264 Wash any exposed body parts thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required.
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P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 | IF IN EYES: Rinse 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 or doctor/physician if you feel unwell.
 P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).
 P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).
 P330 | Rinse mouth.
 P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 | If eye irritation persists: Get medical advice/attention.
 P362 | Take off contaminated clothing and wash before reuse.
 P363 | Wash contaminated clothing before reuse.
 P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.
 P403 + P235 | Store in a well-ventilated place. Keep cool.
 P405 | Store locked up.
 P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

Percent of the mixture consisting of ingredient(s) of unknown toxicity

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
TITANIUM DIOXIDE	5 - 10%	13463-67-7
ETHYLENE GLYCOL MONOBUTYL ETHER	5 - 10%	111-76-2
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
DIPROPYLENE GLYCOL MONOMETHYL ETHER	1 - 5%	34590-94-8

SECTION 4: FIRST AID MEASURES

General Advice	Have Safety Data Sheet available when calling Poison Control Center (1-800-222-1222) or physician; or when going to the emergency room.
Eyes	Flush eye with plenty of water for 15 minutes, while lifting eyelid. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
Skin	Wash skin with soap and water. Though not expected, if irritation occurs, get medical attention.
Inhalation	Though not expected, if breathing is difficult, move to fresh air. If difficulty persists, get medical attention.



Ingestion Irritation may occur. If irritation persists, get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Fire Hazard No

Extinguishing Media Foam, CO2, Dry Chemical, Water Mist

Special Protective Equipment and Firefighting Procedures Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.

Unusual Fire & Explosion Material may splatter when heated. Dried film may burn.

Hazardous Combustion Products See Section 10

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions Keep container closed to avoid spill or accidental release. If spilled, wear safety glasses, protective gloves, and other personal protective equipment when cleaning spilled material.

Spills / Leaks If spill/leak occurs, wear protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Place collected material into containers and dispose of according to local and federal regulations

SECTION 7: HANDLING AND STORAGE

Handling Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces.

Storage Keep container closed when not in use and during transit. Store in a sealed container in a cool, dry environment. Keep from freezing. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



Safety Data Sheet

Date Issued 04/22/2023

DuraWave Water Base 1K/2K Opaque Polyurethane S/G White

Exposure Limits

Chemical Description	OSHA PEL	ACGIH TLV	Other
Titanium dioxide	15 mg/m ³	10 mg/m ³	NOT EST. (skin)
Ethylene glycol monobutyl ether	50 ppm	20 ppm	NOT EST. (skin)
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST. (skin)
Dipropylene glycol monomethyl ether	100 ppm	100 ppm	

Engineering Controls

USE WITH ADEQUATE VENTILATION. Open all doors and windows to achieve cross-ventilation or provide mechanical ventilation in work and surrounding areas. Maintain cross-ventilation during and after application until all vapors and fumes are gone.

Personal Protective Equipment

Hand	Wear gloves to prevent skin contact. Wash hands with soap and water after using and before eating or using tobacco products.
Eyes	Wear safety glasses to protect from liquid splash. Ensure eye wash and safety showers are near workstations.
Skin	Avoid contact with skin.
Respiratory	Ensure fresh air entry during application and drying. Though not expected, increase ventilation if irritation occurs. Wear respirator with particulate filter or dust mask to avoid breathing sanding dusts if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque liquid	Upper Flammability/Explosive Limit	20.40
Odor	Mild	Lower Flammability/Explosive Limit	0.60
pH value	No Data	Vapor Pressure	No Data
Freezing Point (F)	32.00	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 340.00	Relative Density/Specific Gravity	9.22793
Flash Point (F)	Not Applicable	Solubility	Completely Water Soluble
Flash Point Method Used	P Marten	Partition Coefficient	No Data
Evaporation Rate	No Data	Auto-Ignition Temperature	No Data
Flammability	No	Decomposition Temperature	No Data
Viscosity	See Tech Data Sheet		

SECTION 10: STABILITY AND REACTIVITY



Chemical Reactivity	Will not occur.
Chemical Stability	Stable.
Conditions to Avoid	High temperatures and humidity.
Materials to Avoid	Not Applicable.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
Titanium dioxide	Not available	Not available	Not available
Ethylene glycol monobutyl ether	Not available	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Dipropylene glycol monomethyl ether	5,152 mg/kg	Not available	Not available

Inhalation

Description of Effects From Short- and Long-Term Exposure:

Though not expected, vapor and mist may irritate nose, throat, and lungs. Move to fresh air. Dust, sanding dusts and particles may cause nose and throat irritation. Harmful if inhaled.

Ingestion

Description of Effects From Short- and Long-Term Exposure:

Swallowing may cause irritation. Harmful if swallowed.

Eyes

Description of Effects From Short- and Long-Term Exposure:

Contact with liquid may cause irritation.

Skin

Description of Effects From Short- and Long-Term Exposure:

Contact may cause mild irritation. Harmful if in contact with skin.

Carcinogen Information

Contains a chemical with the potential to cause cancer. Risk of cancer depends on level and duration of exposure.

Reportable Components: Titanium dioxide is classified by IARC as Group 2B a possible carcinogen based on animal studies (high concentration of dust may lead to lung cancer).

Carcinogens Listing



NTP	No
IARC	Yes
OSHA	No

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity

Dipropylene glycol monobutyl ether
 Toxicity to Fish LC50: 841 mg/l - 96 h
 Toxicity to Algae EC50: Not Available
 Dipropylene glycol monomethyl ether
 Toxicity to Fish LC50: > 10,000 mg/l - 96 h
 Toxicity to Algae EC50: Not Available

Biodegradability	No Data
Bioaccumulation	No Data

SECTION 13: DISPOSAL CONSIDERATION

Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

SECTION 14: TRANSPORT INFORMATION

DOT Description

WATERBASE PAINT, NOT REGULATED

SECTION 15: REGULATORY INFORMATION

TSCA Status In compliance with TSCA inventory requirements for commercial purposes.

SARA 312 Regulated Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether Dipropylene glycol monobutyl ether Dipropylene glycol monomethyl ether
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SARA 313 Regulated Chemical(s) Ethylene glycol monobutyl ether

California Prop. 65  WARNING: Cancer - www.P65Warnings.ca.gov.

PA Right to know Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether
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NJ Right to know Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether
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Dipropylene glycol monomethyl ether

MA Right to know Chemical(s)

Titanium dioxide
Ethylene glycol monobutyl ether
Dipropylene glycol monomethyl ether

Canada

Not Applicable.

Additional Regulatory Information

Not Applicable.

SECTION 16: OTHER INFORMATION

HMIS

DuraWave Water Base 1K/2K Opaque Polyurethane S emi-Gloss White

HEALTH	1*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

HMIS® Hazardous Material Information System

HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risk, and 4 representing significant hazards or risks. HMIS was developed as a means of identifying and communicating workplace hazards associated with paints and coatings. Ratings are to be used with a fully implemented HMIS program. The workplace employer is responsible for determining the Personal Protection (PPE) code of this material.

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SECTION 1: IDENTIFICATION

Product Name	DuraWave Water Base 1K/2K Opaque Polyurethane Satin White
Product Code #	280250.ST
Manufacturer	Gemini Industries, Inc.
Address	421 SE 27th Street El Reno, OK 73036
Phone	Local: (800) 262-5710 Toll Free: (800) 444-7833
Emergency Contact	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
Recommended Use/Restrictions	For Wood Substrates Only.

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Pictograms



Signal Word Warning

Hazard Statements	H302 Harmful if swallowed. H312 Harmful if in contact with skin. H332 Harmful if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H351 Suspected of causing cancer (dust). H335 May cause respiratory irritation.
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Safety Data Sheet

Date Issued

04/22/2023

DuraWave Water Base 1K/2K Opaque Polyurethane Satin White

P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 | IF IN EYES: Rinse 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 or doctor/physician if you feel unwell.

P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing agent/immediate measures is/are appropriate/required).

P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).

P330 | Rinse mouth.

P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. P337 + P313 | If eye irritation persists: Get medical advice/attention.

P362 | Take off contaminated clothing and wash before reuse.

P363 | Wash contaminated clothing before reuse.

P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 | Store in a well-ventilated place. Keep cool.

P405 | Store locked up.

P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

Percent of the mixture consisting of ingredient(s) of unknown toxicity

To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.

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Reportable Components	% of Comp.	CAS No.
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ETHYLENE GLYCOL MONOBUTYL ETHER	5 - 10%	111-76-2
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
DIPROPYLENE GLYCOL MONOMETHYL ETHER	1 - 5%	34590-94-8

SECTION 4: FIRST AID MEASURES

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Skin	Wash skin with soap and water. Though not expected, if irritation occurs, get medical attention.
Inhalation	Though not expected, if breathing is difficult, move to fresh air. If difficulty persists, get medical attention.



Safety Data Sheet

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Fire Hazard No

Extinguishing Media Foam, CO2, Dry Chemical, Water Mist

Special Protective Equipment and Firefighting Procedures Evacuate all unnecessary personnel. Use full protective equipment. Cool closed containers to prevent pressure build-up. Do not allow product or runoff from fire control measures to enter storm or sanitary sewers or waterways.

Unusual Fire & Explosion Material may splatter when heated. Dried film may burn.

Hazardous Combustion Products See Section 10

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Personal Precautions Keep container closed to avoid spill or accidental release. If spilled, wear safety glasses, protective gloves, and other personal protective equipment when cleaning spilled material.

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SECTION 7: HANDLING AND STORAGE

Handling Handle using good industrial hygiene and safety practices. Avoid breathing vapors, spray mists, or dusts. Avoid contact with eyes and skin. Do not take internally. Use adequate ventilation, respiratory and personal protection. Avoid spraying hot surfaces.

Storage Keep container closed when not in use and during transit. Store in a sealed container in a cool, dry environment. Keep from freezing. Use adequate ventilation. Follow label warnings until thoroughly cleaned or until container is sent for disposal. Do not remove or deface labels until empty containers have been destroyed or thoroughly cleaned. Do not transfer product to unlabeled containers. Do not store above 120 deg. F (50 deg. C).

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



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Exposure Limits

Chemical Description	OSHA PEL	ACGIH TLV	Other
Titanium dioxide	15 mg/m ³	10 mg/m ³	NOT EST. (skin)
Ethylene glycol monobutyl ether	50 ppm	20 ppm	NOT EST. (skin)
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST. (skin)
Dipropylene glycol monomethyl ether	100 ppm	100 ppm	NOT EST. (skin)

Engineering Controls

USE WITH ADEQUATE VENTILATION. Open all doors and windows to achieve cross-ventilation or provide mechanical ventilation in work and surrounding areas. Maintain cross-ventilation during and after application until all vapors and fumes are gone.

Personal Protective Equipment

Hand	Wear gloves to prevent skin contact. Wash hands with soap and water after using and before eating or using tobacco products.
Eyes	Wear safety glasses to protect from liquid splash. Ensure eye wash and safety showers are near workstations.
Skin	Avoid contact with skin.
Respiratory	Ensure fresh air entry during application and drying. Though not expected, increase ventilation if irritation occurs. Wear respirator with particulate filter or dust mask to avoid breathing sanding dusts if needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque liquid	Upper Flammability/Explosive Limit	20.40
Odor	Mild	Lower Flammability/Explosive Limit	0.60
pH value	No Data	Vapor Pressure	No Data
Freezing Point (F)	32.00	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 340.00	Relative Density/Specific Gravity	9.22793
Flash Point (F)	Not Applicable	Solubility	Completely Water Soluble
Flash Point Method Used	P Marten	Partition Coefficient	No Data
Evaporation Rate	No Data	Auto-Ignition Temperature	No Data
Flammability	No	Decomposition Temperature	No Data
Viscosity	See Tech Data Sheet		

SECTION 10: STABILITY AND REACTIVITY



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Chemical Reactivity	Will not occur.
Chemical Stability	Stable.
Conditions to Avoid	High temperatures and humidity.
Materials to Avoid	Not Applicable.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
Titanium dioxide	Not available	Not available	Not available
Ethylene glycol monobutyl ether	Not available	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Dipropylene glycol monomethyl ether	5,152 mg/kg	Not available	Not available

Inhalation

Description of Effects From Short- and Long-Term Exposure:

Though not expected, vapor and mist may irritate nose, throat, and lungs. Move to fresh air. Dust, sanding dusts and particles may cause nose and throat irritation. Harmful if inhaled.

Ingestion

Description of Effects From Short- and Long-Term Exposure:

Swallowing may cause irritation. Harmful if swallowed.

Eyes

Description of Effects From Short- and Long-Term Exposure:

Contact with liquid may cause irritation.

Skin

Description of Effects From Short- and Long-Term Exposure:

Contact may cause mild irritation. Harmful if in contact with skin.

Carcinogen Information

Contains a chemical with the potential to cause cancer. Risk of cancer depends on level and duration of exposure.

Reportable Components: Titanium dioxide is classified by IARC as Group 2B a possible carcinogen based on animal studies (high concentration of dust may lead to lung cancer).

Carcinogens Listing



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NTP	No
IARC	Yes
OSHA	No

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity

Dipropylene glycol monobutyl ether
 Toxicity to Fish LC50: 841 mg/l - 96 h
 Toxicity to Algae EC50: Not Available
 Dipropylene glycol monomethyl ether
 Toxicity to Fish LC50: > 10,000 mg/l - 96 h
 Toxicity to Algae EC50: Not Available

Biodegradability	No Data
Bioaccumulation	No Data

SECTION 13: DISPOSAL CONSIDERATION


Waste materials and empty container must be disposed of in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

SECTION 14: TRANSPORT INFORMATION

DOT Description

WATERBASE PAINT, NOT REGULATED

SECTION 15: REGULATORY INFORMATION

TSCA Status	In compliance with TSCA inventory requirements for commercial purposes.
SARA 312 Regulated Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether Dipropylene glycol monobutyl ether Dipropylene glycol monomethyl ether
SARA 313 Regulated Chemical(s)	Ethylene glycol monobutyl ether
California Prop. 65	 WARNING: Cancer - www.P65Warnings.ca.gov .
PA Right to know Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether
NJ Right to know Chemical(s)	Titanium dioxide Ethylene glycol monobutyl ether



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Dipropylene glycol monomethyl ether

MA Right to know Chemical(s)

Titanium dioxide
Ethylene glycol monobutyl ether
Dipropylene glycol monomethyl ether

Canada

Not Applicable.

Additional Regulatory Information

Not Applicable.

SECTION 16: OTHER INFORMATION

HMIS

DuraWave Water Base 1K/2K Opaque Polyurethane Satin White

HEALTH	1*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

HMIS® Hazardous Material Information System

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