

### SECTION 1: IDENTIFICATION

Product Name	NuWave Water Base Opaque PreCat Lacquer Gloss Deep Base
Product Code #	280180.GL
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	Skin Corrosion: Category 3 Eye Damage/Irritant: Category 2 Carcinogenicity: Category 2
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#### Pictograms



Signal Word	Warning
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Hazard Statements	H316   Causes mild skin irritation. H319   Causes serious eye irritation. H351   Suspected of causing cancer.
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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. P264   Wash any exposed body parts thoroughly after handling. P280   Wear protective gloves/protective clothing/eye protection/face protection. P281   Use personal protective equipment as required. 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. P333 + P313   If skin irritation or rash occurs: Get medical advice/attention. P337 + P313   If eye irritation persists: Get medical advice/attention. P405   Store locked up. P501   Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.
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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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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
N-BUTOXYPROPANOL	5 - 10%	5131-66-8
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
TITANIUM DIOXIDE	1 - 5%	13463-67-7

### 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
n-Butoxypropanol	NOT EST.	NOT EST.	NOT EST.
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST.
Titanium dioxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NOT EST.

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.
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#### 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)	No Data	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 338.00	Relative Density/Specific Gravity	8.56072



# Safety Data Sheet

Date Issued

06/07/2022

NuWave Water Base Opaque PreCat Lacquer Gloss Deep Base

Flash Point (F)	Not Applicable	Solubility	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
n-Butoxypropanol	5,009 mg/kg	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Titanium dioxide	Not available	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.

### Ingestion

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

Swallowing may cause irritation.

### 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.

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

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) n-Butoxypropanol  
Dipropylene glycol monobutyl ether  
Titanium dioxide

SARA 313 Regulated Chemical(s)

California Prop. 65


**WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

PA Right to know Chemical(s)

Titanium dioxide

NJ Right to know Chemical(s)

Titanium dioxide

MA Right to know Chemical(s)

Titanium dioxide

Canada

Not Applicable.

Additional Regulatory Information

Not Applicable.

### SECTION 16: OTHER INFORMATION

HMIS

NuWave Water Base Opaque PreCat      Deep Base Gloss

<b>HEALTH</b>	1*
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	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	NuWave Water Base Opaque PreCat Lacquer Semi-Gloss Deep Base
Product Code #	280180.SG
Manufacturer	Gemini Industries, Inc.
Address	421 SE27th 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	Skin Corrosion: Category 3 Eye Damage/Irritant: Category 2 Carcinogenicity: Category 2
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#### Pictograms



Signal Word	Warning
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Hazard Statements	H316   Causes mild skin irritation. H319   Causes serious eye irritation. H351   Suspected of causing cancer.
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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. P264   Wash any exposed body parts thoroughly after handling. P280   Wear protective gloves/protective clothing/eye protection/face protection. P281   Use personal protective equipment as required. 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. P333 + P313   If skin irritation or rash occurs: Get medical advice/attention. P337 + P313   If eye irritation persists: Get medical advice/attention. P405   Store locked up. P501   Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.
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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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## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
N-BUTOXYPROPANOL	5 - 10%	5131-66-8
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
TITANIUM DIOXIDE	1 - 5%	13463-67-7

## 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
n-Butoxypropanol	NOT EST.	NOT EST.	NOT EST.
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST.
Titanium dioxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NOT EST.

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.
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### 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)	No Data	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 338.00	Relative Density/Specific Gravity	8.58154



# Safety Data Sheet

Date Issued

06/07/2022

NuWave Water Base Opaque PreCat Lacquer Semi-Gloss  
Deep Base

Flash Point (F)	Not Applicable	Solubility	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
n-Butoxypropanol	5,009 mg/kg	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Titanium dioxide	Not available	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.

### Ingestion

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

Swallowing may cause irritation.

### 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.

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

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) n-Butoxypropanol  
Dipropylene glycol monobutyl ether  
Titanium dioxide

SARA 313 Regulated Chemical(s)

California Prop. 65

WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

PA Right to know Chemical(s)

Titanium dioxide

NJ Right to know Chemical(s)

Titanium dioxide

MA Right to know Chemical(s)

Titanium dioxide

Canada

Not Applicable.

Additional Regulatory Information

Not Applicable.

SECTION 16: OTHER INFORMATION
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HMIS

NuWave Water Base Opaque PreCat Deep Base Semi-Gloss

<b>HEALTH</b>	1*
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	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	NuWave Water Base Opaque PreCat Lacquer Satin Deep Base
Product Code #	280180.ST
Manufacturer	Gemini Industries, Inc.
Address	421 SE27th 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 - Inhalation: Category 4 Skin Corrosion: Category 3 Eye Damage/Irritant: Category 2 STOT Single Exposure: Category 3
Pictograms	
Signal Word	Warning
Hazard Statements	H332   Harmful if inhaled. H316   Causes mild skin irritation. H319   Causes serious eye irritation. H335   May cause respiratory irritation.
Precautionary Statements	P261   Avoid breathing dust/fume/gas/mist/vapors/spray. P264   Wash any exposed body parts thoroughly after handling. P271   Use only outdoors or in a well-ventilated area. P280   Wear protective gloves/protective clothing/eye protection/face protection. 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. P312   Call a POISON CENTER or doctor/physician if you feel unwell. P333 + P313   If skin irritation or rash occurs: Get medical advice/attention. P337 + P313   If eye irritation persists: Get medical advice/attention. P403 + P233   Store in a well-ventilated place. Keep container tightly closed. 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	To the best of our knowledge, there are no additional ingredient(s) present



# Safety Data Sheet

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06/07/2022

NuWave Water Base Opaque PreCat Lacquer Satin Deep Base

consisting of ingredient(s) of unknown toxicity

requiring hazardous reporting or health warnings.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
N-BUTOXYPROPANOL	5 - 10%	5131-66-8
DIPROPYLENE GLYCOL MONOBUTYL ETHER	1 - 5%	29911-28-2
TITANIUM DIOXIDE	1 - 5%	13463-67-7
SILICA, AMORPHOUS FUMED	1 - 5%	7631-86-9

## 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



## NuWave Water Base Opaque PreCat Lacquer Satin Deep Base

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
n-Butoxypropanol	NOT EST.	NOT EST.	NOT EST.
Dipropylene glycol monobutyl ether	NOT EST.	NOT EST.	NOT EST.
Titanium dioxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NOT EST.
Silica, amorphous fumed	NOT EST.	NOT EST.	3 mg/m <sup>3</sup>

**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



# Safety Data Sheet

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06/07/2022

## NuWave Water Base Opaque PreCat Lacquer Satin Deep Base

pH value	No Data	Vapor Pressure	No Data
Freezing Point (F)	No Data	Vapor Density	No Data
Boiling Point (F)	No Data	Vapor Temperature	No Data
Boiling Range	212.00 - 338.00	Relative Density/Specific Gravity	8.61594
Flash Point (F)	Not Applicable	Solubility	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
n-Butoxypropanol	5,009 mg/kg	Not available	Not available
Dipropylene glycol monobutyl ether	4,000 mg/kg	Not available	> 2,000 mg/kg
Titanium dioxide	Not available	Not available	Not available
Silica, amorphous fumed	Not available	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.

#### Eyes



# Safety Data Sheet

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NuWave Water Base Opaque PreCat Lacquer Satin Deep Base

## 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.

## 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

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




# Safety Data Sheet

Date Issued

06/07/2022

NuWave Water Base Opaque PreCat Lacquer Satin Deep Base

TSCA Status	In compliance with TSCA inventory requirements for commercial purposes.
SARA 312 Regulated Chemical(s)	n-Butoxypropanol Dipropylene glycol monobutyl ether Titanium dioxide Silica, amorphous fumed
SARA 313 Regulated Chemical(s)	
California Prop. 65	 WARNING: Cancer - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .
PA Right to know Chemical(s)	Titanium dioxide Silica, amorphous fumed
NJ Right to know Chemical(s)	Titanium dioxide
MA Right to know Chemical(s)	Titanium dioxide Silica, amorphous fumed
Canada	Not Applicable.
Additional Regulatory Information	Not Applicable.

SECTION 16: OTHER INFORMATION
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### HMIS

NuWave Water Base Opaque PreCat      Deep Base Satin

<b>HEALTH</b>	1*
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	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)

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