


SECTION 1: IDENTIFICATION

Product Name	NuWave Water Base Opaque PreCat Lacquer Flat White
Product Code #	280190.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	CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
Recommended Use/Restrictions	

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications	Eye Damage/Irritant: Category 2 Carcinogenicity: Category 2
Pictograms	
Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation. H351 Suspected of causing cancer.
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. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use appropriate media for extinction if water increases risk. 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	To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.



unknown toxicity

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
TITANIUM DIOXIDE	5 - 10%	13463-67-7
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	Avoid any uncontrolled release of material. Wear chemical splash goggles, impervious gloves, appropriate respirators, and protective clothing until all hazards are known.
Spills / Leaks	If spill/leak occurs, eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Clean using non-sparking tools (aluminum, brass, copper) and place mixture into containers for disposal. Note: Some



spills/releases may require special reporting to local, state or federal agencies.

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 liquid and vapor away from heat, sparks, and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor buildup. Avoid contact with hot metal surfaces. Avoid free fall of liquids. Ground and bond fixed equipment, pails, drums and other transfer containers. Do not reuse, weld, drill, or heat empty containers which may contain explosive vapors.

Keep container closed when not in use and during transit. Store container in an upright position in a cool, dry environment and protect from damage. 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.
Dipropylene glycol monomethyl ether	100 ppm	100 ppm	(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	Colored liquid	Upper Flammability/Explosive Limit	No Data
Odor	Mild	Lower Flammability/Explosive Limit	No Data
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	No Data	Relative Density/Specific Gravity	9.28809
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
Titanium dioxide	Not available	Not available	Not available
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.

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 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. Empty containers may hold hazardous vapors. Do not weld or expose to heat.


SECTION 14: TRANSPORT INFORMATION

DOT Description

W/B 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 Dipropylene glycol monomethyl ether
SARA 313 Regulated Chemical(s)	
California Prop. 65	 WARNING: Cancer - www.P65Warnings.ca.gov .
PA Right to know Chemical(s)	Titanium dioxide
NJ Right to know Chemical(s)	Titanium dioxide Dipropylene glycol monomethyl ether
MA Right to know Chemical(s)	Titanium dioxide Dipropylene glycol monomethyl ether
Canada	Not Applicable.
Additional Regulatory Information	Not Applicable.



SECTION 16: OTHER INFORMATION

HMIS

NuWave Water Base Opaque PreCat Lacq Flat Wht

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	NuWave Water Base Opaque PreCat Lacquer Semi-Gloss White
Product Code #	280190.SG
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	

SECTION 2: HAZARD(S) IDENTIFICATION

Classifications	Eye Damage/Irritant: Category 2 Carcinogenicity: Category 2
Pictograms	
Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation. H351 Suspected of causing cancer.
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. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use appropriate media for extinction if water increases risk. 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	To the best of our knowledge, there are no additional ingredient(s) present requiring hazardous reporting or health warnings.



unknown toxicity

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Reportable Components	% of Comp.	CAS No.
TITANIUM DIOXIDE	5 - 10%	13463-67-7
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	Avoid any uncontrolled release of material. Wear chemical splash goggles, impervious gloves, appropriate respirators, and protective clothing until all hazards are known.
Spills / Leaks	If spill/leak occurs, eliminate ignition sources and ventilate area. Evacuate all unnecessary personnel. Wear full protective equipment. Dike drains to prevent entering storm or sanitary sewers, rivers, streams, or waterways. Contain spill and cover with inert absorbent material. Clean using non-sparking tools (aluminum, brass, copper) and place mixture into containers for disposal. Note: Some



NuWave Water Base Opaque PreCat Lacquer Semi-Gloss White

spills/releases may require special reporting to local, state or federal agencies.

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 liquid and vapor away from heat, sparks, and flame. Turn off or remove all sources of ignition. Use proper methods of ventilation to prevent vapor buildup. Avoid contact with hot metal surfaces. Avoid free fall of liquids. Ground and bond fixed equipment, pails, drums and other transfer containers. Do not reuse, weld, drill, or heat empty containers which may contain explosive vapors.

Keep container closed when not in use and during transit. Store container in an upright position in a cool, dry environment and protect from damage. 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.
Dipropylene glycol monomethyl ether	100 ppm	100 ppm	(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



Safety Data Sheet

Date Issued

09/21/2020

NuWave Water Base Opaque PreCat Lacquer Semi-Gloss White

Appearance	Colored liquid	Upper Flammability/Explosive Limit	No Data
Odor	Mild	Lower Flammability/Explosive Limit	No Data
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	No Data	Relative Density/Specific Gravity	9.28809
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
Titanium dioxide	Not available	Not available	Not available
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.

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 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. Empty containers may hold hazardous vapors. Do not weld or expose to heat.

SECTION 14: TRANSPORT INFORMATION

DOT Description

W/B PAINT, NOT REGULATED




Safety Data Sheet

Date Issued

09/21/2020

NuWave Water Base Opaque PreCat Lacquer
Semi-Gloss White

SECTION 15: REGULATORY INFORMATION

TSCA Status	In compliance with TSCA inventory requirements for commercial purposes.
SARA 312 Regulated Chemical(s)	Titanium dioxide Dipropylene glycol monomethyl ether
SARA 313 Regulated Chemical(s)	
California Prop. 65	 WARNING: Cancer - www.P65Warnings.ca.gov .
PA Right to know Chemical(s)	Titanium dioxide
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MA Right to know Chemical(s)	Titanium dioxide Dipropylene glycol monomethyl ether
Canada	Not Applicable.
Additional Regulatory Information	Not Applicable.



SECTION 16: OTHER INFORMATION

HMIS

NuWave Water Base Opaque PreCat Lacq Semi-Gloss White

HEALTH	1*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

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Product Code #	280190.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
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unknown toxicity

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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.
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
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Hazardous Combustion Products	See Section 10

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Exposure Limits

Chemical Description	OSHA PEL	ACGIH TLV	Other
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Dipropylene glycol monomethyl ether	100 ppm	100 ppm	(skin)

Engineering Controls

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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	Colored liquid	Upper Flammability/Explosive Limit	No Data
Odor	Mild	Lower Flammability/Explosive Limit	No Data
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	No Data	Relative Density/Specific Gravity	9.28809
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.
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Conditions to Avoid	High temperatures and humidity.
Materials to Avoid	Not Applicable.
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Reportable Components	LD50 Oral	LC50 Inhalation	LD50 Dermal
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Ingestion**Description of Effects From Short- and Long-Term Exposure:**

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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 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

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SECTION 14: TRANSPORT INFORMATION

DOT Description

W/B PAINT, NOT REGULATED



SECTION 15: REGULATORY INFORMATION

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Canada	Not Applicable.
Additional Regulatory Information	Not Applicable.



SECTION 16: OTHER INFORMATION

HMIS

NuWave Water Base Opaque PreCat

HEALTH	1*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

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DISCLAIMER

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