



**ROWLAND ELEMENTARY
2036 S. FULLERTON ROAD
ROWLAND HEIGHTS, CA**

EXTERIOR PAINTING SPECIFICATION

APRIL 18, 2023

Prepared For:

**GDL Best Contractor
7611 Greenleaf Ave.
Whittier, CA**

Attn: Benjamin Lopez

Prepared By:

**Danny Ornelas
Field Sales Representative
VISTA PAINT CORPORATION
2020 E. Orangethorpe Avenue
Fullerton, CA 92831
(949) 394-7059**

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ROWLAND HEIGHTS, CA**

EXTERIOR PAINTING SPECIFICATION

PART I - GENERAL

1.01 WORK INCLUDED BY CONTRACTOR

- A. Work includes, but is not necessarily limited to, furnishing of materials and equipment and completion of painting and painter's finish on exposed surfaces as required to complete finishing of all exterior surfaces including:**

**Stucco
Concrete
Rough Sawn wood
Wood Siding
Ferrous Metal
Galvanized /Aluminum**

Thoroughly examine specifications, site of work, and conditions under which work will be performed before submitting a proposal. Surfaces which cannot be prepared or painted as specified shall be immediately brought to the attention of the Owner's Representative in writing.

- 1. Starting of work without such notification will be considered acceptance by the Contractor of surfaces involved.**
- 2. The Contractor shall replace unsatisfactory work caused by improper or defective surfaces, as directed by the Owner's Representative at no additional cost.**

Thoroughly examine specifications, site of work, and conditions under which work will be performed before submitting a proposal. Surfaces which cannot be prepared or painted as specified shall be immediately brought to the attention of the owner's Representative in writing.

1.02 WORK NOT INCLUDED BY CONTRACTOR

As specified by Owner's Representative.

1.03 QUALITY ASSURANCE BY CONTRACTOR

A. Include on label of containers:

- 1. Manufacturer's name**
- 2. Type of paint**
- 3. Manufacturer's stock number**
- 4. Color**
- 5. Instructions for reducing, where applicable**

B. Workmanship by Contractor:

- 1. All work will be performed by experienced skillful craftsmen to assure finished work of finish class quality and durability.**
- 2. All paints and coatings shall be mixed and applied strictly in accordance with the manufacturer's printed instructions.**
- 3. All materials shall be applied evenly with proper film thickness and free of runs, sags, skips, and other defects. Enamel shall be sanded lightly between coats, dusted and cleaned before recoating.**
- 4. All work shall be done under favorable weather conditions or the work shall be suitably protected from the weather.**

1.04 DELIVERY, STORAGE AND HANDLING BY CONTRACTOR

A. Deliver sealed containers with labels legible and intact.

B. Storage of materials by Contractor:

- 1. Store only acceptable project materials on site.**
- 2. Store in suitable location.**
- 3. Restrict storage to paint materials and related equipment.**
- 4. Comply with health and fire regulations.**

1.05 CONDITIONS FOR CONTRACTOR TO FOLLOW

A. Environmental Requirements:

- 1. Comply with manufacturer's recommendations as to environmental conditions under which coatings and coating systems can be stored and applied.**
- 2. Do not paint when there is a threat of rain within 24 hours or when surface or air temperature are at or below 55 degrees.**

PART 2 – PRODUCTS USED BY CONTACTOR

2.01 MATERIALS

Products specified by name and number are products of the Vista Paint Corporation Fullerton, California.

2.02 COLORS

As specified by Owner's Representative.

2.03 MIXING AND TINTING

- A. Deliver paints ready mixed to job site.**
- B. Accomplish job mixing and job tinting only when acceptable to Owner's Representative.**
- C. Mix only in mixing pails placed in suitably sized non-ferrous or oxide-resistant metal pans.**
- D. Use tinting colors recommended by manufacturer for specific type of finish.**

PART 3 – EXECUTION BY CONTRACTOR

3.01 INSPECTION BY CONTRACTOR

- A. Examine surfaces scheduled to receive paint and finishes for conditions which will adversely affect execution permanence or quality of work and which cannot be put into acceptable condition through preparatory work as included in Article 3.02 "Preparation of Surfaces". Notify the Owner's Representative in writing of any effects or conditions which will prevent a satisfactory installation.**
- B. Do not proceed with surface preparation or coating application until conditions are suitable.**
- C. Commencement of installation construed as acceptance of surfaces.**

3.02 PREPARATION OF SURFACE BY CONTRACTOR

- A. Clean all exterior surfaces of loose, peeling, and scaly paint, dirt, dust, rust, chalk and other foreign matter by power washing as required to provide a clean sound surface for the new paint coatings.
- B. Patch, caulk and repair all surfaces where necessary with an elastomeric caulking material and smooth off to match adjacent surfaces.
- C. Lead:
 - 1. Vista does not inspect for lead.
 - 2. Lead is the responsibility of the property owner.

3.03 PAINTING SCHEDULE FOLLOWED BY CONTRACTOR

- A. Prepare, paint and finish all surfaces specified and agreed upon.
- B. Provide paint finishes of even uniform color, free from cloudy or mottled appearance. Properly correct all non-complying work to the satisfaction of the Owner's Representative and the representative of the paint manufacturer.
- C. Paint Application Finish Schedule

1. STUCCO

Prime Coat	Vista No.	4000	Uniprime
First Coat	Vista No.	3000	Acribond
Second Coat	Vista No.	3000	Acribond

2. CONCRETE

Prime Coat	Vista No.	4000	Uniprime
First Coat	Vista No.	3000	Acribond
Second Coat	Vista No.	3000	Acribond

3 ROUGH SAWN WOOD

Prime Coat	Vista No.	8000	Prime-ZALL
Finish Coat	Vista No.	8400	Carefree Semi-Gloss

4 ROUGH WOOD SIDING

Prime Coat	Vista No.	8000	Prime-ZALL
Finish Coat	Vista No.	8400	Carefree Semi-Gloss

5. FERROUS METAL

Prime Coat	Vista No.	9600	Protec Metal Prime
Finish Coat	Vista No.	9800	Protec Semi-Gloss

6. GALVANIZED/ALUMINUM

Prime Coat	Vista No.	4800	Metal Pro Primer
Finish Coat	Vista No.	9800	Proec Semi-Gloss

3.04 CONTRACTOR'S ACKNOWLEDGEMENT PRIOR TO EXECUTION

- A. Contractor acknowledges that Vista Paint is not responsible for ensuring that these proposed specifications are in compliance with any and all applicable laws, codes and regulations (including but not limited to environmental or area specific restrictions).**
- B. It is further acknowledged that the Products specified herein comply with all current local VOC restrictions as of the date written on the specification; however, prior to use of specified products, the applicator shall reconfirm compliance.**
- C. Contractor acknowledges that even though specifications are being provided, Vista Paint is not affiliated with or in any manner connected with the person applying the product and Vista Paint assumes no liability for application.**

3.05 PROTECTION AND CLEAN-UP BY CONTRACTOR

- A. Protection: Carefully protect areas where work is in progress from damage.**
 - 1. Provide and spread clean drop cloths when and where required to provide the necessary protection.**
 - 2. Immediately clean up all accidental spatter, spillage, misplaced paint and restore the affected surface to its original condition.**
- B. Clean-up: At completion of work, remove all materials, supplies, debris and rubbish and leave each area in a clean, acceptable condition.**

Substitution Request Form*

Specified Item	Requested Substituted Item	Agree to Provide Specific Item in the Event Request is Denied (circle one)		District Decision (circle one)	
N/A 1)	Vista Paint 4000 Uniprime	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Grant	<input type="radio"/> Deny
Spartashield S/SHL 2)	Vista Paint 3000 Acribond <i>(Exact color match required)</i>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Grant	<input type="radio"/> Deny
Spartashield S/S 3)	Vista Paint 8400 Carefree Semi-Gloss <i>(Exact color match required)</i>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	<input checked="" type="radio"/> Grant	<input type="radio"/> Deny

This Substitution Request Form must be accompanied by evidence as to whether the proposed substitution (1) is equal in quality to the specified item; (2) will entail no change to existing processes; (3) will be acceptable in consideration of the required needs; (4) will provide no cost disadvantage to the District; and (5) will provide adequacy and availability of inventory.

Name of Bidder: GDL Best Contractors Inc.

By: _____

Date: 4-17-2023

District Authorization (Name): Eric Jones

By: [Signature]

Date: 5/8/2023

NOTE: Bidder must state whether bidder will provide the Specified Item in the event that District denies the request for substitution. If bidder states that bidder will not provide the Specified Item in the event their request for substitution is denied, bidder's bid will be considered non responsive. However, if bidder states that bidder will provide the Specified Item in the event that bidder's request for substitution is denied, bidder shall execute the Agreement and provide such Specified Item(s) and if bidder fails to execute the Agreement with the Specified Item(s), bidder's bond will be forfeited.

Make additional copies as necessary but all forms must be included and signed.

NOTE: District must receive any request for substitution a minimum of **FOURTEEN (14)** calendar days prior to the date of bid opening.

Substitution Request Form*

Specified Item	Requested Substituted Item	Agree to Provide Specific Item in the Event Request is Denied (circle one)		District Decision (circle one)	
		Yes	No	Grant	Deny
Aristoshield S/G	Vista Paint 9800 Protec Semi_Gloss <i>(Exact color match required)</i>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2)		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3)		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This Substitution Request Form must be accompanied by evidence as to whether the proposed substitution (1) is equal in quality to the specified item; (2) will entail no change to existing processes; (3) will be acceptable in consideration of the required needs; (4) will provide no cost disadvantage to the District; and (5) will provide adequacy and availability of inventory.

Name of Bidder: GDL Best Contractors Inc.

By: _____

Date: 4-18-23

District Authorization (Name): Eric Jones

By: [Signature] Structural Supervisor

Date: 5/8/2023

NOTE: Bidder must state whether bidder will provide the Specified Item in the event that District denies the request for substitution. If bidder states that bidder will not provide the Specified Item in the event their request for substitution is denied, bidder's bid will be considered non responsive. However, if bidder states that bidder will provide the Specified Item in the event that bidder's request for substitution is denied, bidder shall execute the Agreement and provide such Specified Item(s) and if bidder fails to execute the Agreement with the Specified Item(s), bidder's bond will be forfeited.

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Exterior 100% Acrylic Flat Finish
Architectural Coating - Premium

Description

A premium 100% acrylic solid-bodied stain and finish for exterior use. Acribond is for use on all wood, masonry and previously painted surfaces. Acribond provides a durable matte flat finish with excellent color retention and mildew resistance.

Recommended Uses

New or previously painted wood. Properly primed concrete, stucco, masonry and metal.

Colors

White, stock and custom colors to order.
Bases: A, D, H and P

Packaging

Quart, one and five gallon containers

Finish

Flat, sheen @ 85° = 1.2 – 1.6%

Surface Preparation

Surfaces must be clean, dry and free from all contaminants that may impair adhesion. Glossy or slick surfaces must be scuff sanded prior to application of paint coatings and may require priming. Woods prone to extractive bleeding require a stain blocking primer.

Primer

Concrete/Masonry:	4600 Uniprime II
Cedar/Redwood:	4000 Uniprime
	8000 Carefree Prime-ZALL
Metal Non-Galvanized:	8600 Polytec Primer
	9600 Protec Metal Primer
Metal Galvanized:	8600 Polytec Primer
	4800 Metal Pro Primer
Aluminum:	8600 Polytec Primer

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%.

Clean tools and equipment with soap and water.

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

Revised 08.18

Drying Time

Touch: 1 hour
Recoat: 4 - 6 hours

Coverage

Up to 400 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 4.0 Dry = 1.6

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

Titanium Dioxide	13.5%
Extenders	28.1%
TOTAL PIGMENT	41.6%

Acrylic Resin	14.4%
Additives	3.9%
Water	40.1%
TOTAL VEHICLE	58.4%

Weights & Measurements +/-3.0%

Solids by Volume:	40.8%
Solids by Weight:	58.0%
VOC:	48 g/l
Weight Per Gal:	11.9 lbs.
Viscosity:	98 - 102 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings
MPI - #10, #16





Interior/Exterior 100% Acrylic Primer Architectural Coating - Premium Plus

Description

A premium plus, multi-purpose 100% acrylic primer for exterior and interior applications. Superior resistance to efflorescence and alkalinity on concrete and masonry. Dries to a durable film which provides an excellent base for all top coats.

Recommended Uses

New concrete, masonry, wood, galvanized metal and aluminum. This product can also be used on most previously painted surfaces.

Colors

White (tint with up to 2 oz. of colorant). Also available in 4010 Red Oxide and 40D deep tint base (tint with up to 8 oz. of colorant).

Packaging

Quarts, one and five gallon containers

Surface Preparation

Surfaces must be clean, dry and free from all contaminants that may impair adhesion. Glossy or slick surfaces must be scuff sanded prior to application of paint coatings and may require priming. Woods prone to extractive bleeding require a stain blocking primer.

Passivation coatings applied to galvanized metal must be removed prior to priming. Newly galvanized substrates should be tested for chromates. Refer to SSPC SP-16 for proper testing and surface preparation.

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

Touch: 30 minutes
Recoat: 2 - 4 hours

Coverage

Up to 450 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 4.0 Dry = 1.8

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

Titanium Dioxide	11.8%
Extenders	17.4%
TOTAL PIGMENT	29.2%
Proprietary Resin	22.1%
Additives	4.1%
Water	44.6%
TOTAL VEHICLE	70.8%

Weights & Measurements +/-3.0%

Solids by Volume:	39.0%
Solids by Weight:	53.6%
VOC:	48 g/l
Weight Per Gal:	10.9 lbs.
Viscosity:	92 - 96 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings
LEED - complies with LEED 2009 and LEEDv4*
 -Low Emitting Materials
MPI - #6

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Revised 11.18





Description

Metal Pro Primer is a premium plus, low VOC, fast drying, waterborne, acrylic coating for interior and exterior use. This product offers excellent adhesion to metal surfaces particularly galvanized metal; hence protecting the metal surface from oxidation. This product can be top coated with a variety of products, but for the best protection of metal surfaces top coat Metal Pro with Protec Alkyd Emulsion Enamels (9700 Satin, 9800 Semi-Gloss or 9900 Gloss).

Recommended Uses

Metal Pro is recommended for non-ferrous metal (not containing iron) and galvanized metals. For best corrosion resistance on ferrous metals use 9600 Protec Metal Prime.

Colors

White (4800), Black (4805), Red Oxide (4810) and custom colors.

Packaging

One and five gallon containers and 55 gallon drums

Finish

Flat angular sheen @ 85° = 8.0%

Surface Preparation

New Surfaces: remove all loose dirt, oil, grease, wax or other contaminants from the surface.

Passivation coatings applied to galvanized metal must be removed prior to priming. Newly galvanized substrates should be tested for chromates. Refer to SSPC SP-16 for proper testing and surface preparation.

Previously Coated Surfaces: remove all loose paint, grease, dirt or other contaminants before application of primer.

Application

Brush or spray. Mix thoroughly. Apply only when air and surface temperatures are between 55°F - 100°F, and the relative humidity is no greater than 80%.

Caution: Extreme high or low humidity may have an effect on both dry time and finishes.

Drying Time

Tack Free:	30 - 60 minutes
Handling:	1.0 - 1.5 hours
Recoat:	1.5 - 2.0 hours
Moisture Resistance:	12 hours

Drying Schedule: Dry times are based on 70° F @ 80% relative humidity. Dry times will be extended at increased humidity above 80° F and temperatures below 50° F.

Coverage

Up to 430 square feet per gallon at 1.5 mils, depending on porosity and texture of the surface.

Suggested Mil Thickness

Wet:	4 - 7 mils per coat
Dry:	1.2 - 2.5 mils per coat

Thinning

If thinning is required per specific applications, thin only with clean water sparingly.

Clean Up

Flush spray lines immediately with water. Wash tools promptly with clean soap and water.

Next Page

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Revised 08.16





Interior/Exterior Acrylic Metal Primer

Architectural Coating - Premium Plus

Continued

Recommended Finish Coat

Protec Alkyd Emulsion Enamels (9700 Satin, 9800 Semi-Gloss or 9900 Gloss). Other topcoats may be suitable for use if maximum corrosion resistance is not required.

Product Mixing

Important! Agitate or stir before using product to allow for uniform consistencies of product.

Equipment

Conventional / airless spray equipment. Tip sizes may vary depending on type of equipment used and manufacturer specs. It is recommended a small test strip be sampled in an inconspicuous area for desired application requirements.

Conventional Spray:

Atomization Pressure	25-60 psi
Fluid Pressure	20-40 psi
Air Nozzle	66 SD
Fluid Nozzle	25 psi

Airless Spray

Pressures	2000 psi
Tips	0.13" – 0.19"
Hose	¼" ID
Filter	60 mesh

Brush / Roller Nylon, ¼" – ½" Nap

Composition

Titanium Dioxide	10.6%
Extenders	20.4%
TOTAL PIGMENT	31.0%

Acrylic Resin	19.3%
Additives / Solvents	9.0%
Water	40.7%
TOTAL VEHICLE	69.0%

Weights & Measurements +/-3.0%

Solids by Volume:	37.0%
Solids by Weight:	52.2%
VOC:	49 g/l
Weight Per Gal:	11.1 lbs.
Viscosity:	77 KU

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Revised 08.16

Testing

Adhesion (ASTM D 3359-97)	10
Prohesion (ASTM D 5894-96)	10
1000 Hours	
Humidity Resistance (ASTM D 4587-91)	10
500 Hours	

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009 and LEEDv4 -Low Emitting Materials

CDPH Section 01350 - tested and passed

MPI - #107, #134





Interior/Exterior 100% Water-Base Epoxy Stain Blocking Universal Primer

Architectural Coating - Premium Plus

8000 Carefree Prime-ZALL Interior/Exterior 100% Water-Base Epoxy Stain Blocking Universal Primer

Description

Carefree Prime-ZALL is a innovative 100% water-base epoxy universal primer created using breakthrough technology to offer unparalleled stain blocking for use in both interior and exterior applications. This unique formulation provides superior performance when compared with traditional solvent-based primers.

Carefree Prime-ZALL adheres to a variety of substrates including aged-alkyds, is low odor & low VOC and meets or exceeds air quality standards. The quick-drying properties of Carefree Prime-ZALL allow a finish/top coat to be applied within 40 minutes after application of this primer. Carefree Prime-ZALL also provides superior enamel hold out for glossy top coats. **NOTE:** This product contains ingredients which resist the growth of microbes on the surface of the paint film.

Recommended Uses

Interior and exterior woods including redwood and cedar. One coat of Carefree Prime-ZALL will stop tannin bleed. Carefree Prime-ZALL is a great sealer and stain blocker for use on interior stains such as smoke and water damage. Carefree Prime-ZALL can also be used on new or previously painted drywall, stucco, galvanized metal or over aged alkyd surfaces. **DO NOT** mix Prime-ZALL with any other product, gelling will occur.

Packaging

Quarts, one and five gallon containers

Surface Preparation

Wood: Clean contaminants from wood. Weathered wood should be sanded to remove deteriorated layers of wood fibers. For one coat tannin blocking percent moisture in wood should be less than 14%.

Cement and Stucco: Clean all efflorescence and other contaminants.

Interior Surfaces: Remove all contaminants that impair adhesion.

Galvanized: Passivation coatings applied to galvanized metal must be removed prior to priming. Newly galvanized substrates should be tested for chromates. Refer to SSPC SP-16 for proper testing and surface preparation.

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

Top Coat: 40 minutes

Coverage

Up to 275 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 5.0 - 7.0 Dry = 2.0 - 2.5

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

Titanium Dioxide	12.3%
Extenders	17.0%
TOTAL PIGMENT	29.3%
Proprietary Resin	19.0%
Additives	3.4%
Water	48.3%
TOTAL VEHICLE	70.7%

Weights & Measurements +/-3.0%

Solids by Volume:	35.0%
Solids by Weight:	50.6%
VOC:	43 g/l
Weight Per Gal:	11.0 lbs.
Viscosity:	94 - 98 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009

-Low Emitting Materials

PERMEABILITY - 1.19 perm. @ 2 mils DFT, ASTM D 1653-13 Method A

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Revised 01.19



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	CAREFREE Prime-ZALL
Product Code	8000
Product Class	WATER THINNED PAINT
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Vista Paint Corporation
2020 E. Orangethorpe Ave.
Fullerton, CA 92831
(714) 680-3800

Emergency Telephone Number(s): (800) 535-5053 (Infotrac)

2. HAZARD(S) IDENTIFICATION



GHS Pictograms:

Signal Word:

Warning

GHS Classifications:

Eye Irritation	Category 2A
Skin Irritation	Category 2

Hazard Statements:

H319 - Causes serious eye irritation
H315 – Causes skin irritation

Precautionary Statements:

Prevention

P103 – Read label before use.
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 – Wash hands thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves / eye protection / face protection.
P285 – In case of inadequate ventilation wear respiratory protection.

Response

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P320 + P352 – If on skin: Wash with plenty of water
P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P362 + P364 – Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention

Disposal

P501 – Dispose of contents/container in accordance with local/state/federal regulations.

HNOC: Not Applicable

Other information: No information available

3. COMPOSITION INFORMATION ON COMPONENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Titanium Dioxide	13463-67-7	13.65
Aluminum Hydroxide	21645-51-2	9.10
Talc	14807-96-6	8.73

4. FIRST AID MEASURES

General Advice: No hazards which require special first aid measures.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects: None known.

Notes To Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective Equipment And Precautions For Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical: Closed containers may rupture if exposed to fire or extreme heat

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information: Prevent further leakage or spillage if safe to do so.

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods For Clean-Up: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed. Keep out of the reach of children. Keep from freezing.

Incompatible Materials: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

REPORTABLE COMPONENTS	CAS NUMBER	%WT	AGCIH LV/TWA PPM	OSHA Exposure Limits				Vapor Pressure mm Hg @20° C
				TWA PPM	MG/M3	STEL PPM	MG/M3	
Titanium Dioxide	13463-67-7	13.65	10	-	10	-	-	-
Aluminum Hydroxide	21645-51-2	9.10	-	-	-	-	-	10 @ 1732 C
Talc	14807-96-6	8.73	-	-	2	-	-	-

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. When sanding or abrading the dried paint film, wear a dust / mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Hygiene Measures: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odor	Little or no odor
Odor Threshold	No information available
pH	No information available
Freezing Point (°F)	32 °F
Boiling Point (°F)	212 °F
Flash Point (°F)	Not applicable
Flash Point Method	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable
Vapor Pressure	No information available
Vapor Density	No information available
Density (lbs./gal)	10.99
Specific Gravity	1.32
Solubility	No information available
Water Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature (°F)	No information available
Decomposition Temperature (°F)	No information available
Viscosity (cps)	No information available
Wt. % Solids	50.47
Vol. % Solids	34.78
Wt. % Volatiles	49.53
Vol. % Volatiles	65.22
Coating VOC	46.44 g/l
Material VOC	17.05 g/l

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Possibility Of Hazardous Reactions	None under normal conditions of use.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure:	Eye contact, skin contact and inhalation.
Acute Toxicity:	No information available
Symptoms	No information available

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization:	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organ Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical Name	IARC	NTP	OSHA Carcinogen
Titanium dioxide	2B - Possible Human Carcinogen		

• **Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."**

Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Acute Toxicity to Fish (Titanium Dioxide)

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates	No information available
Acute Toxicity to Aquatic Plants	No information available
Persistence / Degradability	No information available
Bioaccumulation / Accumulation	No information available
Mobility in Environmental Media	No information available
Ozone	No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT	Not regulated
ICAO / IATA	Not regulated
IMDG / IMO	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Please refer to Section 2 of the SDS for the appropriate EPCRA 311/312 hazard categories.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed in the table below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Unless listed below, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

State Regulations

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm at levels less than required for reporting (<0.1%) unless listed in Section 3.

16. OTHER INFORMATION

HMS Health: 1* Flammability: 0 Reactivity: 0 PPE: X

NFPA: Health: 1 Flammability: 0 Instability: 0

Prepared By **Vista Paint Corporation**
2020 East Orangethorpe Avenue
Fullerton, CA 92831
(714) 680-3800

Print Date: 03/09/2020

SDS Revision Date: **01/20/2020**

Revision Summary: Updated SDS form

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

Form Date: 2020-01-22

END OF SAFETY DATA SHEET



Description

Carefree Semi-Gloss is a premium plus 100% acrylic enamel for interior and exterior surfaces. This top-of-the-line enamel provides block resistance with excellent scrubability and durability and is formulated to withstand moderate to severe weather conditions. Excellent choice for use in food and beverage areas, restrooms, doors, trim and exterior substrates where a superior semi-gloss finish is desired. **NOT FOR USE ON FOOD CONTACT SURFACES.** Carefree can be used in areas where oil based products were previously required. **NOTE:** This product contains ingredients which resist the growth of microbes on the surface of the paint film.

Recommended Uses

Properly primed drywall, concrete, masonry, wood and metal.

Colors

White, stock and custom colors to order.

Bases: A, D, P & H

Packaging

Quarts, one and five gallon containers

Finish

Semi-Gloss, sheen @ 60° = 60.0 - 64.0%

Surface Preparation

Surfaces must be clean, dry and free from all contaminants that may impair adhesion. Glossy or slick surfaces must be scuff sanded prior to application of paint coatings and may require priming.

Primer

Drywall (New):	1100 Hi-Build Sealer 8000 Carefree Prime-ZALL
Drywall (Existing):	4000 Uniprime 8000 Carefree Prime-ZALL
Concrete/Masonry:	4600 Uniprime II 8000 Carefree Prime-ZALL
Wood (Exterior):	4000 Uniprime 8000 Carefree Prime-ZALL
Wood (Interior):	6600 AquaLac Undercoat 8000 Carefree Prime-ZALL
Metal Non-Galvanized:	8600 Polytec Primer 9600 Protec Metal Primer
Metal Galvanized:	8600 Polytec Primer 4800 Metal Pro Primer
Aluminum:	8600 Polytec Primer

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

Touch: 2 hours
Recoat: 8 hours

Coverage

Up to 375 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 4.2 Dry = 1.4

Thinning

Use at **package** consistency. If thinning is required, use water sparingly.

Composition

Titanium Dioxide	20.3%
Extenders	1.4%
TOTAL PIGMENT	21.7%

Acrylic Resin	19.5%
Additives	4.6%
Water	54.2%
TOTAL VEHICLE	78.3%

Weights & Measurements +/-3.0%

Solids by Volume:	35.0%
Solids by Weight:	47.7%
VOC:	44 g/l
Weight Per Gal:	10.7 lbs.
Viscosity:	96 - 100 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009 and LEEDv4 -Low Emitting Materials

CDPH Section 01350 - tested and passed

MPI - #11, #54, #54 X-Green, #141, #153, #163 and #311

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.





1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CAREFREE S/G WHITE
Product Code .8400
Product Class WATER THINNED PAINT
Recommended use Paint
Restrictions on use No information available

Manufacturer
Vista Paint Corporation
2020 E. Orangethorpe Ave.
Fullerton, CA 92831
(714) 680-3800

Emergency Telephone Number(s): (800) 535-5053 (Infotrac)

2. HAZARD(S) IDENTIFICATION



GHS Pictograms:

Signal Word:

Warning

GHS Classifications:

Eye Irritation Category 2A
Skin Irritation Category 2
Carcinogenicity Category 2

Hazard Statements:

H319 – Causes serious eye irritation
H315 – Causes skin irritation
H351 – Suspected of causing cancer

Precautionary Statements:

Prevention

P103 – Read label before use.
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 hands thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves / eye protection / face protection.
P285 – In case of inadequate ventilation wear respiratory protection.

Response

P301 + P310 – If swallowed: Immediately call a poison center or doctor/physician.
P308 + P313 – If exposed or concerned: Get medical advice/attention.
P320 + P352 – If on skin: Wash with plenty of water

P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P362 + P364 – Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention

Storage

P405 – Store locked up.

Disposal

P501 – Dispose of contents/container in accordance with local/state/federal regulations.

HNOC: Not Applicable
Other information: No information available

3. COMPOSITION INFORMATION ON COMPONENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Titanium Dioxide	13463-67-7	19.48

4. FIRST AID MEASURES

General Advice: No hazards which require special first aid measures.
Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation: Move to fresh air. If symptoms persist, call a physician.
Ingestion: Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
Most Important Symptoms/Effects: None known.
Notes To Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical: Closed containers may rupture if exposed to fire or extreme heat

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information: Prevent further leakage or spillage if safe to do so.

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods For Clean-Up: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed. Keep out of the reach of children. Keep from freezing.

Incompatible Materials: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

REPORTABLE COMPONENTS	CAS NUMBER	%WT	AGCIH	OSHA Exposure Limits			Vapor Pressure mm Hg @20° C	
			LV/TWA PPM	TWA PPM	MG/M3	STEL PPM		MG/M3
Titanium Dioxide	13463-67-7	19.48	10	-	10	-	-	-

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. When sanding or abrading the dried paint film, wear a dust / mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Hygiene Measures: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid

Odor Little or no odor

Odor Threshold No information available

pH	No information available
Freezing Point (°F)	32 °F
Boiling Point (°F)	212 °F
Flash Point (°F)	Not applicable
Flash Point Method	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable
Vapor Pressure	No information available
Vapor Density	No information available
Density (lbs./gal)	10.10
Specific Gravity	1.21
Solubility	No information available
Water Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature (°F)	No information available
Decomposition Temperature (°F)	No information available
Viscosity (cps)	No information available
Wt. % Solids	44.65
Vol. % Solids	34.28
Wt. % Volatiles	55.35
Vol. % Volatiles	65.72
Coating VOC	46.32 g/l
Material VOC	16.70 g/l

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Possibility Of Hazardous Reactions	None under normal conditions of use.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure:	Eye contact, skin contact and inhalation.
Acute Toxicity:	No information available
Symptoms	No information available
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.

Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization:	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organ Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical Name	IARC	NTP	OSHA Carcinogen
Titanium dioxide (If Listed in Section 3.)	2B - Possible Human Carcinogen		
Diphenyl Ketone (If Listed in Section 3.)	2B - Possible Human Carcinogen		

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer
 NTP - National Toxicity Program
 OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity Effects</u>	The environmental impact of this product has not been fully investigated.
Acute Toxicity to Fish (Titanium Dioxide)	LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
Acute Toxicity to Aquatic Invertebrates	No information available
Acute Toxicity to Aquatic Plants	No information available

Persistence / Degradability	No information available
Bioaccumulation / Accumulation	No information available
Mobility in Environmental Media	No information available
Ozone	No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT	Not regulated
ICAO / IATA	Not regulated
IMDG / IMO	Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States	Yes - All components are listed or exempt.
DSL: Canada	Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Please refer to Section 2 of the SDS for the appropriate EPCRA 311/312 hazard categories.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed in the table below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Unless listed below, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

State Regulations

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm at levels less than required for reporting (<0.1%) unless listed in Section 3.

16. OTHER INFORMATION

HMIS Health: 1* Flammability: 0 Reactivity: 0 PPE: X

NFPA: Health: 1 Flammability: 0 Instability: 0

Prepared By **Vista Paint Corporation**
2020 East Orangethorpe Avenue
Fullerton, CA 92831
(714) 680-3800

Print Date: 03/22/2022

Revision Date: 06/03/2020

Revision Summary: Formulation change

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

Form Date: 2020-01-22

END OF SAFETY DATA SHEET



Interior/Exterior Alkyd Emulsion Metal Primer

Architectural Coating - Premium Plus

9600 Protec Metal Prime Interior/Exterior Alkyd Emulsion Metal Primer

Description

Protec Metal Prime is a premium plus interior/exterior advanced technology alkyd emulsion water based metal primer. This product has excellent adhesion to ferrous and non-ferrous metal. It also provides excellent corrosion resistance, particularly, when it is top coated with Protec Alkyd Emulsion (9900 Gloss, 9800 Semi-Gloss and 9700 Satin). Protec Metal Prime contrary to conventional solvent based primer is low VOC and very low odor. It is ideal for use on light industrial, commercial, and residential metal surfaces.

Recommended Uses

Ideal for use on structural steel, equipment, wrought iron, aluminum, anodized aluminum, and metal buildings. **NOT RECOMMENDED OVER GALVANIZED SURFACES.**

Colors

9600 White, 9610 Red Oxide

Packaging

One and five gallon containers

Finish

Flat

Surface Preparation

Minimum surface preparation is Hand Tool Cleaning per SSPC-SP2 or SSPC-SP3 Power Tool Cleaning.

Remove all oil and grease from the surface per SSPC-SP1 Solvent Cleaning.

For better performance, use Commercial Blast Cleaning per SSPC-SP6.

Application

Brush, roll or spray. Mix thoroughly. Recommend to apply when air and surface temperatures are between 50° and 100°F and relative humidity is below 80%. Extreme heat or humidity will affect dry time.

Drying Time

Touch: 1 hour
Recoat: 6 hours

Coverage

Up to 325 square feet per gallon, depending on porosity and texture of the surface.

Mil Thickness

Wet = 5.5 Dry = 2.0

Thinning

Use at package consistency. If thinning is required, use water sparingly.

Composition

Titanium Dioxide	11.7%
Extenders	22.1%
TOTAL PIGMENT	33.8%
Proprietary Resin	17.1%
Additives / Solvents	1.5%
Water	47.6%
TOTAL VEHICLE	66.2%

Weights & Measurements +/-3.0%

Solids by Volume:	36.6%
Solids by Weight:	52.3%
VOC:	<10 g/l
Weight Per Gal:	11.2 lbs.
Viscosity:	96 - 100 KU

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings

LEED - complies with LEED 2009 and LEEDv4 - Low Emitting Materials

CDPH Section 01350 - tested and passed
MPI - #107

*NOTE: This product complies with the Super Compliant Coatings category under SCAQMD definitions.

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

Revised 08.18




SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name PROTEC METAL PRIME
Product Code 9600
Product Class WATER THINNED PAINT
Recommended use Paint
Restrictions on use No information available

Manufacturer
Vista Paint Corporation
2020 E. Orangethorpe Ave.
Fullerton, CA 92831
(714) 680-3800

Emergency Telephone Number(s): (800) 535-5053 (Infotrac)

2. HAZARD(S) IDENTIFICATION



GHS Pictograms:

Signal Word: Danger

GHS Classifications:

Eye Irritation	Category 2A
Skin Irritation	Category 2
Carcinogenicity	Category 1A

Hazard Statements:

H319 – Causes serious eye irritation
H315 – Causes skin irritation
H350i – May cause cancer by inhalation

Precautionary Statements:

Prevention

P103 – Read label before use.
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 hands thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves / eye protection / face protection.
P285 – In case of inadequate ventilation wear respiratory protection.

Response

P301 + P310 – If swallowed: Immediately call a poison center or doctor/physician.
P308 + P313 – If exposed or concerned: Get medical advice/attention.
P320 + P352 – If on skin: Wash with plenty of water

P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P362 + P364 – Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention

Storage

P405 – Store locked up.

Disposal

P501 – Dispose of contents/container in accordance with local/state/federal regulations.

HNOC: Not Applicable

Other information: No Information Available

3. COMPOSITION INFORMATION ON COMPONENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Limestone	1317-65-3	16.93
Titanium Dioxide	13463-67-7	11.18
Trizinc bis(orthophosphate)	7779-90-0	1.46
Quartz (SiO ₂)	14808-60-7	0.15

4. FIRST AID MEASURES

General Advice: No hazards which require special first aid measures.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Ingestion: Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects: None known.

Notes To Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective Equipment And Precautions For Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical:

Closed containers may rupture if exposed to fire or extreme heat

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information:

Prevent further leakage or spillage if safe to do so.

Environmental Precautions:

See Section 12 for additional Ecological Information.

Methods For Clean-Up:

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage:

Keep container tightly closed. Keep out of the reach of children. Keep from freezing.

Incompatible Materials:

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

REPORTABLE COMPONENTS	CAS NUMBER	%WT	OSHA Exposure Limits					Vapor Pressure mm Hg @20° C
			AGCIH LV/TWA PPM	TWA PPM	MG/M3	STEL PPM	MG/M3	
Limestone	1317-65-3	16.93	-	-	15	-	-	-
Titanium Dioxide	13463-67-7	11.18	10	-	10	-	-	-
Trizinc bis(orthophosphate)	7779-90-0	1.46	4	-	10	-	-	-
Quartz (SiO2)	14808-60-7	0.15	-	-	0.05	-	-	-

Eye/Face Protection:

Safety glasses with side-shields.

Skin Protection

Protective gloves and impervious clothing.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment. When sanding or abrading the dried paint film, wear a dust / mist respirator approved

by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Hygiene Measures: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odor	Little or no odor
Odor Threshold	No information available
pH	No information available
Freezing Point (°F)	32 °F
Boiling Point (°F)	212 °F
Flash Point (°F)	Not applicable
Flash Point Method	Not applicable
Evaporation Rate	No information available
Flammability (solid, gas)	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable
Vapor Pressure	No information available
Vapor Density	No information available
Density (lbs./gal)	11.08
Specific Gravity	1.33
Solubility	No information available
Water Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature (°F)	No information available
Decomposition Temperature (°F)	No information available
Viscosity (cps)	No information available
Wt. % Solids	50.18
Vol. % Solids	35.20
Wt. % Volatiles	49.82
Vol. % Volatiles	64.80
Coating VOC	9.62 g/l
Material VOC	3.42 g/l

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Possibility Of Hazardous Reactions	None under normal conditions of use.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure:	Eye contact, skin contact and inhalation.
Acute Toxicity:	No information available
Symptoms	No information available
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization:	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target Organ Effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen.:

Chemical Name	IARC	NTP	OSHA Carcinogen
Titanium Dioxide	2B - Possible Human Carcinogen		
Crystalline Silica, Respirable	1 – Carcinogenic to Humans	Known Carcinogen	Listed

• **Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."**

Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

Product Name: PROTEC METAL PRIME

Vista Paint Corporation

Page 5 of 7

Product Code: 9600

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects

The environmental impact of this product has not been fully investigated.

Acute Toxicity to Fish (Titanium Dioxide)

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

Persistence / Degradability

No information available

Bioaccumulation / Accumulation

No information available

Mobility in Environmental Media

No information available

Ozone

No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT

Not regulated

ICAO / IATA

Not regulated

IMDG / IMO

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States

Yes - All components are listed or exempt.

DSL: Canada

Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Please refer to Section 2 of the SDS for the appropriate EPCRA 311/312 hazard categories.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed in the table below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
Trizinc bis(orthophosphate)	7779-90-0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Unless listed below, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

State Regulations

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm at levels less than required for reporting (<0.1%) unless listed in Section 3.

16. OTHER INFORMATION

HMIS Health: 1* Flammability: 0 Reactivity: 0 PPE: X

NFPA: Health: 1 Flammability: 0 Instability: 0

Prepared By **Vista Paint Corporation**
2020 East Orangethorpe Avenue
Fullerton, CA 92831
(714) 680-3800

Print Date: 03/16/2020

Revision Date: 03/05/2020

Revision Summary: Formulation change

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

Form Date: 2020-01-22

END OF SAFETY DATA SHEET



Interior/Exterior Alkyd Emulsion Finish

Architectural Coating - Premium Plus

9800 Protec Semi-Gloss Interior/Exterior Alkyd Emulsion Premium Plus Finish

Description

Protec is a premium plus high performance semi-gloss alkyd emulsion enamel, which is uniquely formulated for a wide variety of surfaces and conditions. It has strong corrosion resistant properties making it an excellent choice as a rust preventative coating on metals. Protec alkyd emulsion can be used as a DTM on properly prepared surfaces (for more information regarding DTM applications, contact a Vista Representative). In addition, Protec has excellent resistance to abrasion, moisture and chemical fumes. Protec can be used as an industrial maintenance coating on metal, wood, concrete and masonry. It is a super compliant "green" coating that is designed for use on all interior/exterior architectural surfaces and has very low odor.

Recommended Uses

Properly primed interior/exterior concrete and masonry, wood (i.e. doors & frames) and metal (i.e. doors & frames, garage doors & wrought iron surfaces) that require a tough, durable, washable surface. **NOT RECOMMENDED OVER UN-PRIMED GALVANIZED SURFACES.**

Colors

White and Black
Bases: A, D and P

Packaging

One and five gallon containers

Finish

Semi-Gloss, sheen @ 60° = 75.0%

Surface Preparation

Remove oil, grease, dirt, loose rust, loose peeling paint or other contaminants that may impair adhesion and affect performance. All new surfaces must be primed. Metal surfaces need to be acid-etched and then cleaned from any acid residue. Glossy surfaces must be sanded and may require priming.

Primer

Concrete/Masonry:	4600 Uniprime II
Wood (Interior):	6600 Aqua Lac 8000 Carefree Prime-ZALL
Wood (Exterior):	4000 Uniprime 8000 Carefree Prime-XALL
Metal Non-Galvanized:	8600 Polytec Primer 9600 Protec Metal Prime
Metal Galvanized:	8600 Polytec Primer 4800 Metal Pro Primer
Aluminum:	8600 Polytec Primer

Application

Brush, roll or spray. Ambient and surface temperatures must be above 55°F and relative humidity below 80%. Clean tools and equipment with soap and water.

Drying Time

Touch: 1 hour
Recoat: 6 hours

Coverage

Up to 350 square feet per gallon, depending on porosity and texture of surface.

Mil Thickness

Wet = 5.0 Dry = 2.0

Thinning

Use water sparingly.

Composition

Titanium Dioxide	18.0%
Extenders	1.0%
TOTAL PIGMENT	19.0%
Proprietary Resin	24.0%
Additives / Solvents	7.0%
Water	50.0%
TOTAL VEHICLE	81.0%
Weights & Measurements	+/-3.0%
Solids by Volume:	35.5%
Solids by Weight:	47.9%
VOC:	<10 g/l
Weight Per Gal:	10.31 lbs.
Viscosity:	95 - 100 KU
Regulatory Coating Type:	Non Flat

Testing

Adhesion (ASTM D 3359-97)	
on steel panel	0% removal
Prohesion (ASTM D 5894-96)	
on steel panel (1000 Hours)	no corrosion
Humidity Resistance (ASTM D 4587-91)	
on steel panel (100 Hours)	10 (no effect)

Conformance

SCAQMD - complies with Rule 1113, Architectural Coatings
LEED - complies with LEED 2009 and LEEDv4 -Low Emitting Materials

CDPH Section 01350 - tested and passed

MPI - #157 and #157 X-Green

*NOTE: This product complies with the Super Compliant Coatings category under SCAQMD definitions.

DISCLAIMER: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance and offered in good faith. All technical information is subject to change without prior notice. This product is guaranteed to give satisfactory performance if applied and used in accordance with the label instructions. Any liability shall be limited to a refund of the purchase price, or replacement of this product. This warranty does not include labor or cost of labor for the application of any coating. All express and all implied warranties are hereby disclaimed and excluded including all implied warranties of fitness for a particular use and merchantability. Final determination of the suitability of product or intended use is the sole responsibility of the user. Additional information may be obtained from your local sales representative.

Revised 03.20



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	PROTEC SEMI-GLOSS ALKYD EMULSION
Product Code	9800
Product Class	WATER THINNED PAINT
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Vista Paint Corporation
2020 E. Orangethorpe Ave.
Fullerton, CA 92831
(714) 680-3800

Emergency Telephone Number(s): (800) 535-5053 (Infotrac)

2. HAZARD(S) IDENTIFICATION



GHS Pictograms:

Signal Word: **Warning**

GHS Classifications:	Eye Irritation	Category 2A
	Skin Irritation	Category 2

Hazard Statements:	H319 - Causes serious eye irritation
	H315 - Causes skin irritation

Precautionary Statements:

Prevention

- P103 – Read label before use.
- P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 – Wash hands thoroughly after handling.
- P273 – Avoid release to the environment.
- P280 – Wear protective gloves / eye protection / face protection.
- P285 – In case of inadequate ventilation wear respiratory protection.

Response

- P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P320 + P352 – If on skin: Wash with plenty of water
- P332 + P313 – If skin irritation occurs: Get medical advice/attention.
- P362 + P364 – Take off contaminated clothing and wash it before reuse.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 – If eye irritation persists: Get medical advice/attention

Disposal

P501 – Dispose of contents/container in accordance with local/state/federal regulations.

HNOC: Not Applicable

Other information: No information available

3. COMPOSITION INFORMATION ON COMPONENTS

<u>Hazardous Component</u>	<u>CAS Number</u>	<u>Weight %</u>
Titanium Dioxide	13463-67-7	18.03

4. FIRST AID MEASURES

General Advice:	No hazards which require special first aid measures.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
Most Important Symptoms/Effects:	None known.
Notes To Physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Protective Equipment And Precautions For Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific Hazards Arising From The Chemical:	Closed containers may rupture if exposed to fire or extreme heat

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.
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Other Information: Prevent further leakage or spillage if safe to do so.

Environmental Precautions: See Section 12 for additional Ecological Information.

Methods For Clean-Up: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage: Keep container tightly closed. Keep out of the reach of children. Keep from freezing.

Incompatible Materials: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

REPORTABLE COMPONENTS	CAS NUMBER	%WT	AGCIH	OSHA Exposure Limits			Vapor Pressure mm Hg @20° C
			LV/TWA PPM	TWA PPM	MG/M3	STEL PPM	
Titanium Dioxide	13463-67-7	18.03	10	-	10	-	-

Eye/Face Protection: Safety glasses with side-shields.

Skin Protection Protective gloves and impervious clothing.

Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. When sanding or abrading the dried paint film, wear a dust / mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive material itself.

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Hygiene Measures: Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odor	Little or no odor
Odor Threshold	No information available
pH	No information available
Freezing Point (°F)	32 °F
Boiling Point (°F)	212 °F
Flash Point (°F)	Not applicable
Flash Point Method	Not applicable
Evaporation Rate	No information available

Flammability (solid, gas)	Not applicable
Upper Explosion Limit	Not applicable
Lower Explosion Limit	Not applicable
Vapor Pressure	No information available
Vapor Density	No information available
Density (lbs./gal)	9.94
Specific Gravity	1.19
Solubility	No information available
Water Solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition Temperature (°F)	No information available
Decomposition Temperature (°F)	No information available
Viscosity (cps)	No information available
Wt. % Solids	45.86
Vol. % Solids	34.78
Wt. % Volatiles	54.14
Vol. % Volatiles	65.22
Coating VOC	12.68 g/l
Material VOC	4.48 g/l

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Possibility Of Hazardous Reactions	None under normal conditions of use.
Conditions To Avoid	Prevent from freezing
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Principal Routes of Exposure:	Eye contact, skin contact and inhalation.
Acute Toxicity:	No information available
Symptoms	No information available
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sensitization: No information available

Neurological Effects No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects No information available.

Target Organ Effects No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Other adverse effects No information available.

Aspiration Hazard No information available

Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical Name	IARC	NTP	OSHA Carcinogen
Titanium dioxide (If Listed)	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend

IARC - International Agency for Research on Cancer
 NTP - National Toxicity Program
 OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects The environmental impact of this product has not been fully investigated.

Acute Toxicity to Fish (Titanium Dioxide) LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates No information available

Acute Toxicity to Aquatic Plants No information available

Persistence / Degradability No information available

Bioaccumulation / Accumulation No information available

Mobility in Environmental Media No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated
ICAO / IATA Not regulated
IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Please refer to Section 2 of the SDS for the appropriate EPCRA 311/312 hazard categories.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed in the table below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

Unless listed below, this product does not contain HAPs at 1% or 0.1% or greater. Refer to Section 3 for HAP weight percentage:

<u>Chemical Name</u>	<u>CAS Number</u>
None	None

State Regulations

California Proposition 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm at levels less than required for reporting (<0.1%) unless listed in Section 3.

16. OTHER INFORMATION

HMIS Health: 1* Flammability: 0 Reactivity: 0 PPE: X

NFPA: Health: 1 Flammability: 0 Instability: 0

Prepared By **Vista Paint Corporation**
2020 East Orangethorpe Avenue
Fullerton, CA 92831
(714) 680-3800

Print Date: 03/05/2020

SDS Revision Date: **02/10/2020**

Revision Summary: Formulation change

Disclaimer

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Form Date: 2020-01-22

END OF SAFETY DATA SHEET