



SECTION 09900 - FINISHES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Exterior paints, stains, transparent coatings, and opaque stains.
- B. Preparation of new surfaces for painting
- C. Preparation of existing surfaces for painting

1.2 RELATED SECTIONS

- A. Section 05210 - Steel Joists: Shop priming.
- B. Section 05510 - Metal Fabrications: Shop priming.
- C. Section 06200 - Finish Cabinetry: Back priming of trim and paneling.
- D. Section 07190 - Water Repellents.
- E. Section 09930 - Stains and Transparent Finishes
- F. Section 09670 - Fluid Applied Flooring for Concrete.
- G. Section 09960 - High Performance Coatings.
- H. Section 15075 - Mechanical Identification: Markers and color-coding.
- I. Section 16075 - Electrical Identification: Markers and color-coding.

1.3 REFERENCES

- A. SSPC-SP1 - Solvent Cleaning.
- B. SSPC-SP2 - Hand Tool Cleaning.
- C. SSPC-SP3 - Power Tool Cleaning.
- D. SSPC-SP13/NACE No. 6 Surface Preparation for Concrete.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01330.
- B. Product Data: Manufacturer's data sheets on each paint and coating product to be used, including:

1. Product characteristics.
 2. Preparation instructions and recommendations.
 3. Primer requirements and recommendations.
 4. Storage and handling requirements and recommendations.
 5. Application methods.
 6. Cautions.
- C. Selection Samples: Submit a complete set of color chips that represent the full range of manufacturer's color samples available.
- D. Verification Samples: For each finish product specified, submit samples that represent actual product, color, and sheen.
- 1.5 MOCK-UP
- Include a mock-up if the project size and/or quality warrant taking such a precaution.
- A. Finish surfaces for verification of products, colors, and sheens.
 - B. Finish area designated by Architect.
 - C. Provide samples that designate prime and finish coats.
 - D. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Store products in manufacturer's unopened packaging until ready for installation. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.
 - B. Packaging shall bear the manufacturer's name, label and the following information:
 1. Product name, type (description)
 2. Application and use instructions
 3. Surface preparation
 4. VOC content
 5. Environmental issues
 6. Batch date
 7. Color number
 - B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
 - C. Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.
- 1.7 PROJECT CONDITIONS
- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not apply coatings under environmental conditions outside manufacturer's absolute limits.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer:

RepcoLite Paints, Inc.

473 W. 17th St.

Holland, MI 49423

Tel: (800)

Fax: (616) 396-0154

www.repcolite.com

B. Substitutions: Requests for substitutions will be considered in accordance with provisions of section 01600.

2.2 APPLICATIONS/SCOPE

A. Scope: Use products specified in this section to finish ALL exterior surfaces exposed to view, unless otherwise indicated; DO NOT PAINT THE FOLLOWING:

1. Items specified or provided with factory finish; materials and products having factory-applied primers are not considered factory finished.
2. Items indicated to receive other finishes.
3. Items indicated to remain unfinished.
4. Marble, granite, slate, and other natural stones.
5. Glass.
6. Concrete masonry in utility, mechanical, and electrical spaces.
7. Stainless steel, anodized aluminum, bronze, and lead.
8. Equipment nameplates, fire rating labels, and operating parts of equipment.
9. Acoustical materials.
10. Concealed pipes, ducts, and conduits.

B. Exterior surfaces TO BE PAINTED:

1. Cement - (Cementitious siding/board, brick, tilt-up, stucco, pre-cast, poured-in-place).

2.3 SCHEDULE

A. CEMENT - (Cementitious siding/board, brick, tilt-up, stucco, pre-cast, poured-in-place).

1. FLAT FINISH

- a. Coat 1: RepcoLite Paints Fill-n-Seal Block Filler, 44610 (11 mils wet, 5 mils dry)
- b. Coat 2: RepcoLite Paints Ultra-Shield Flat, 46510 (250 sq ft/gal)
- c. Coat 2: RepcoLite Paints Ultra-Shield Flat, 46510 (250 sq ft/gal)

2. SATIN SHEEN FINISH

- a. Coat 1: RepcoLite Paints Fill-n-Seal Block Filler, 44610 11 mils wet, 5 mils dry)
- b. Coat 2: RepcoLite Paints Ultra-Shield Satin Sheen, 46410 (250 sq ft/gal)

- c. Coat 2: RepcoLite Paints Ultra-Shield Satin Sheen, 46410 (250 sq ft/gal)
- 3. SEMI GLOSS FINISH
 - a. Coat 1: RepcoLite Paints Fill-n-Seal Block Filler, 44610 (11 mils wet, 5 mils dry)
 - b. Coat 2: RepcoLite Paints Acri-Glo Semi Gloss, 46110 (250 sq ft/gal)
 - c. Coat 2: RepcoLite Paints Acri-Glo Semi Gloss, 46110 (250 sq ft/gal)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin application of coatings until substrates have been properly prepared.
- B. Ensure that surfaces to receive coatings are dry immediately prior to application.
- C. Ensure that moisture-retaining substrates to receive coatings have moisture content within tolerances allowed by coating manufacturer. Where exceeding the following values, promptly notify Architect and obtain direction before beginning work.
 - 1. Concrete and Masonry: 13 percent. Cure minimum 28 days.
 - 2. Exterior Wood: 17 percent.
 - 3. Concrete Slab-On-Grade: Perform calcium chloride test over 24 hour period or other acceptable test to manufacturer. Verify acceptable moisture transmission and pH levels.
- D. Examine surfaces to receive coatings for surface imperfections and contaminants that could impair performance or appearance of coatings, including, but not limited to, loose primer, rust, scale, oil, grease, mildew, algae or fungus, stains or marks, cracks indentations, or abrasions.
- E. Correct conditions that could impair performance or appearance of coatings in accordance with specified surface preparation procedures before proceeding with coating application.

3.2 SURFACE PREPARATION

- A. Proper selection, surface preparation and application procedures ensures coating adhesion to the substrate and prolongs the service life of the coating system.
- B. The surface must be dry and in sound condition.
- C. Clean surfaces thoroughly prior to coating application, removing oil, dust, loose rust, peeling paint, dirt or other contaminants to ensure good adhesion.
- D. Remove mildew before painting by washing with a solution of 1 part household liquid bleach and 3 parts warm water. Apply the solution and scrub the area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surfaces to dry for 48 hours before painting. Wear protective goggles or glasses, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the

bleach/water solution.

- E. No exterior painting should be done immediately after a rain, during foggy weather, when rain is predicted, or when the temperature is below 50 degrees F unless the coating is specifically designed for those conditions.
- F. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.

3.3 APPLICATION

- A. Apply each coat to uniform coating thickness in accordance with manufacturer's instructions, without runs, drips, sags, brush marks, roller marks, orange-peel and with consistent sheen.
- B. Mix and thin coatings according to manufacturer's recommendation.
- C. Do not apply to wet or damp surfaces.
- D. Apply coatings using methods recommended by manufacturer.
- E. Apply coatings at spread rate required to achieve the manufacturer's recommended dry film thickness.
- F. Dark Coats and Deep Colors: Regardless of number of coats specified, apply as many coats as necessary for complete hide.

3.4 PROTECTION

- A. Protect completed coatings from damage until completion of project.
- B. Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch-up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

END OF SPECIFICATION

DATA PAGES



Fill-N-Seal

Low Temp Acrylic Block Filler

Product Data Sheet

DESCRIPTION and USES

This product is designed to fill the pores and voids in concrete blocks and other porous or rough masonry surfaces. The acrylic formulation makes it ideal for exterior applications or demanding surfaces such as scored block. It also seals the surface to provide a suitable surface for latex, alkyd and epoxy finish coats. It can be applied in temperatures as low as 36°F. Do not use on floors.

SURFACE PREPARATION

Loose mortar, dust and dirt must be removed. New masonry surfaces to be sealed should cure for 30 days. Surface may be damp but not visibly wet. On warm, windy days excellent results are achieved by dampening the surface with a mist of water.

APPLICATION

Best results are achieved when this product is applied with an airless sprayer using a .021 tip or larger. After spray application, back roll with a roller to force filler into voids. May also be applied with a brush or roller. For a flush fill under epoxies or other gloss finishes, apply a second coat after the first is dry and remove the excess with a rubber squeegee. Do not apply at temperatures below 35°F.

SAFETY INFORMATION

For complete safety information, refer to the MATERIAL SAFETY DATA SHEET for this product.

COLORS

White (May be tinted with up to 4 oz. of Universal Colorant per gallon).

The suggestions for use and technical data here given are accurate to the best of our knowledge and are offered in good faith. Because the conditions and use of our products are beyond our control, our liability, if any, is limited to the replacement of defective material only. RepcoLite Paints, Inc. DISCLAIMS ALL OTHER WARRANTIES relating to our products and DISCLAIMS ALL WARRANTIES RELATING TO THEIR APPLICATION, expressed or implied, INCLUDING but not limited to warranties of merchantability and fitness for a particular purpose. TECHNICAL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE.

TECHNICAL DATA

Vehicle Type:	100% Acrylic Latex
Coverage:	50 – 100 SF/Gallon (depending on surface porosity).
Dry Time:	
<i>Touch:</i>	1 Hour
<i>Recoat:</i>	4 Hour for latex paints 24 Hours for alkyds and epoxies
VOC:	Less than 350 g/l
Clean Up:	Water

PRODUCT CODE INFORMATION

44612

Low Temp Acrylic Block Filler—White

RepcoLite Paints, Inc.

473 W. 17th St.

Holland, MI 49423

(616) 396-1275

www.repcolite.com

DESCRIPTION and USES

This 100% acrylic paint will provide a durable finish on exterior vertical surfaces. It has excellent resistance to dirt pickup, chalking and color fading. This paint is suitable for use on wood, masonry surfaces and composite siding materials such as Hardiplank. With proper preparation, this product may also be used on aluminum and vinyl siding. Surface dirt is easily washed off this tough 100% acrylic finish paint. This paint dries quickly and tools are easily cleaned after use with soap and water. It can be applied in temperatures as low as 38°F.

SURFACE PREPARATION

All surfaces to be painted must be clean and free of standing water. Slightly damp surfaces can be painted. All bare surfaces must be primed with the recommended primer. Previously painted surfaces should be washed thoroughly to remove chalk and dirt. New poured or precast concrete should be treated with a 10% solution of Muriatic Acid in water to remove unreacted cement.

APPLICATION

Apply with a brush, roller or airless spray. During warm, windy weather dampening the surfaces with a mist of water will aid application. Avoid painting on hot surfaces or direct sunlight.

SAFETY INFORMATION

For complete safety information, refer to the MATERIAL SAFETY DATA SHEET for this product.

COLORS

This product is available in white and all *Color Studio* and *Color Folio* Colors.

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TECHNICAL DATA

Finish:	Flat
Vehicle Type:	Alkyd modified PVA Latex
Volume Solids:	35%
Coverage:	200 – 400 SF/Gallon (depending on surface porosity.)
Dry Time:	
<i>Touch:</i>	45 Minutes
<i>Recoat:</i>	4 Hours (recoat times can be affected by differences in temperature and humidity).
Primer:	
<i>Brick/Block:</i>	44612 Acrylic Block Filler
<i>Poured Concrete:</i>	Self Prime (see APPLICATION)
<i>Ferrous Metal:</i>	44917 Metl-Clad Primer
<i>Non-ferrous Metal:</i>	44810 Metl-Clad QD Primer 44510 Zip Prime-WB
<i>Plastic:</i>	44510 Zip Prime-WB
<i>Wood:</i>	44710 #65 Exterior Primer 44510 Zip Prime-WB
VOC:	Less than 250 g/l
Clean Up:	Water

PRODUCT CODE INFORMATION

46510	Ultra-Shield Flat—White
46502	Ultra-Shield Flat—52 Base
46503	Ultra-Shield Flat—53 Base
46504	Ultra-Shield Flat—54 Base
46506	Ultra-Shield Flat—56 Base

RepcoLite Paints, Inc.

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Holland, MI 49423

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DESCRIPTION and USES

This 100% acrylic paint will provide a durable finish on exterior vertical surfaces. It has excellent resistance to dirt pickup, chalking and color fading. This paint is suitable for use on wood, masonry surfaces and composite siding materials such as Hardiplank. With proper preparation, this product may be used on aluminum or vinyl siding. Surface dirt is easily washed off this tough 100% acrylic finish paint. This paint dries quickly and tools are easily cleaned after use with soap and water. It can be applied in temperatures as low as 38°F.

SURFACE PREPARATION

All surfaces to be painted must be clean and free of standing water. Slightly damp surfaces can be painted. All bare surfaces must be primed with the recommended primer. Previously painted surfaces should be washed thoroughly to remove chalk and dirt. New poured or precast concrete should be treated with a 10% solution of Muriatic Acid in water to remove unreacted cement.

APPLICATION

Apply with a brush, roller or airless spray. During warm, windy weather dampening the surfaces with a mist of water will aid application. Avoid painting on hot surfaces or direct sunlight.

SAFETY INFORMATION

For complete safety information, refer to the MATERIAL SAFETY DATA SHEET for this product.

COLORS

This product is available in white and all *Color Studio* and *Color Folio* Colors.

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TECHNICAL DATA

Finish:	Satin Sheen
Vehicle Type:	100% Acrylic Latex
Volume Solids:	35%
Coverage:	200 – 400 SF/Gallon (depending on surface porosity.)
Dry Time:	
<i>Touch:</i>	45 Minutes
<i>Recoat:</i>	4 Hours (recoat times can be affected by differences in temperature and humidity).
Primer:	
<i>Brick/Block:</i>	44612 Acrylic Block Filler
<i>Poured Concrete:</i>	Self Prime (see SURFACE PREPARATION)
<i>Ferrous Metal:</i>	44917 Metl-Clad Primer
<i>Non-ferrous Metal:</i>	44810 Metl-Clad QD Primer 44510 Zip Prime-WB
<i>Plastic:</i>	44510 Zip Prime-WB
<i>Wood:</i>	44710 #65 Exterior Primer 44510 Zip Prime-WB
VOC:	Less than 250 g/l
Clean Up:	Water

PRODUCT CODE INFORMATION

46410	Ultra-Shield Satin Sheen—White
46402	Ultra-Shield Satin Sheen—22 Base
46403	Ultra-Shield Satin Sheen—23 Base
46406	Ultra-Shield Satin Sheen—26 Base

Repolite Paints, Inc.

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Holland, MI 49423

(616) 396-1275

www.repolite.com

DESCRIPTION and USES

This 100% ACRYLIC paint will provide a durable finish on exterior surfaces. It has excellent resistance to dirt pickup, chalking, and color fading. This paint is suitable for use on wood, concrete (except floors), block and brick. It is an ideal product to use to repaint aluminum siding, steel siding and metal pitched roofs. Surface dirt is easily washed off this tough 100% acrylic finish paint. This paint dries quickly and tools are easily cleaned after use with soap and water.

SURFACE PREPARATION

All surfaces to be painted must be clean and free of standing water. Slightly damp surfaces can be painted. All bare surfaces must be primed with the recommended primer.

APPLICATION

Apply with a brush, roller or airless spray. During warm, windy weather dampening the surface with a mist of water will aid application. Do not apply at surface or air temperatures below 50°F. Avoid painting on hot surfaces or direct sunlight.

SAFETY INFORMATION

For complete safety information, refer to the MATERIAL SAFETY DATA SHEET for this product.

COLORS

This product is available in white and all *Color Studio* and *Color Folio* Colors.

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TECHNICAL DATA

Finish:	Semi Gloss
Vehicle Type:	100% Acrylic Latex
Volume Solids:	31%
Coverage:	200 – 400 SF/Gallon (depending on surface porosity).
Dry Time:	
<i>Touch:</i>	45 Minutes
<i>Recoat:</i>	4 Hours (recoat times will be slowed by low temperatures and/or high humidity).
Primer:	
<i>Masonry:</i>	44610 Sprayable Block Filler
<i>Pour Concrete:</i>	Self Prime (see SURFACE PREPARATION)
<i>Non-Ferrous Metals:</i>	44810 QD Rust Inhibitive Primer 44510 Zip Prime-WB Primer
<i>Ferrous Metals:</i>	44917 Metl-Clad Metal Primer
<i>Wood:</i>	44510 Zip Prime-WB 44710 #65 Exterior Primer
VOC:	Less than 380 g/l
Clean Up:	Water

PRODUCT CODE INFORMATION

46110	Acri-Glo Semi Gloss—White
46102	Acri-Glo Semi Gloss—42 Base
46103	Acri-Glo Semi Gloss—43 Base
46104	Acri-Glo Semi Gloss—44 Base
46106	Acri-Glo Semi Gloss—46 Base

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M A T E R I A L S A F E T Y D A T A S H E E T

LOW TEMP FIL N SEAL BLOCK FILLER

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIALS TO AVOID): None Known.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning of dried solids may give off oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May contain products the will irritate mucous membrane and respiratory tract. Inhalation may produce symptoms of headache and nausea in poorly ventilated areas.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged contact may produce temporary reddening of skin. Direct contact may cause eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No evidence of adverse effects.

HEALTH HAZARDS (ACUTE AND CHRONIC)

None known.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: No harmful effects expected. Inhalation: No emergency care anticipated. Skin: Wash effected areas with soap and water. Eyes: Immediately flus eyes with water.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Restrict area to personnel needed. Major spills should be collected for disposal. Small spills may be flushed to sewer if permitted by federal, state and local regulations.

WASTE DISPOSAL METHOD

Incinerate or bury in a suitable landfill as permitted by government regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use with adequate ventilation. Avoid contact with skin and clothing. Avoid breathing spray mist.

OTHER PRECAUTIONS

N/A

LOW TEMP FIL N SEAL BLOCK FILLER

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Use a NIOSH approved dust/mist respirator when spraying.

VENTILATION

Local exhaust.

PROTECTIVE GLOVES

Vinyl or neoprene.

EYE PROTECTION

Safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

THE CONDITIONS OF HANDLING, STORAGE, USE & DISPOSAL OF THE PRODUCT COVERED BY THIS MSDS ARE BEYOND THE CONTROL AND KNOWLEDGE OF REPCOLITE PAINTS, INC. THEREFORE WE DO NOT ASSUME RESPONSIBILIY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ULTRA SHIELD FLAT LATEX

PRODUCT NAME: WHITE ULTRA SHIELD FLAT LATEX
PRODUCT CODE: .46510

HMIS CODES: H F R P
1 0 0 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: REPCOLITE PAINTS, INC.
ADDRESS : 473 W.17TH STREET
HOLLAND, MI 49423
EMERGENCY PHONE : 800-535-5053
INFORMATION PHONE : 616-396-1275 NAME OF PREPARER : DA

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
Titianium Dioxide OSHA PEL; 10mg/M3 ACGIH TLV; 10mg/M3	13463-67-7		20
Anhydrous aluminum silicate OSHA PEL: 15 mg/M3, ACGIH TLV: 10 mg/M3	66402-68-4		10
Hydrous Magnesium Silicate OSHA PEL: 2 mg/M3, ACGIH TLV: 2 mg/M3	14807-96-6		5

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: n/a SPECIFIC GRAVITY (H2O=1): 1.36
VAPOR DENSITY: LIGHTER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
A.I.M. V.O.C.: 0.89 lb/gl V.O.C.: 0.35 lb/gl
SOLUBILITY IN WATER: Dilutable
APPEARANCE AND ODOR: Viscous Liquid, Mild Odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: n/a METHOD USED: n/a
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL
SPECIAL FIREFIGHTING PROCEDURES
N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS
Product will not burn but may spatter if temperature exceeds the boiling point of water. Dried solids can burn.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None Known.

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ULTRA SHIELD FLAT LATEX

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning of dried solids may give off oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== **SECTION VI - HEALTH HAZARD DATA** =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May contain products the will irritate mucous membrane and respiratory tract. Inhalation may produce symptoms of headache and nausea in poorly ventilated areas.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged contact may produce temporary reddening of skin. Direct contact may cause eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No evidence of adverse effects.

HEALTH HAZARDS (ACUTE AND CHRONIC)

None known.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: No harmful effects expected. Inhalation: No emergency care anticipated. Skin: Wash effected areas with soap and water. Eyes: Immediately flus eyes with water.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Restrict area to personnel needed. Major spills should be collected for disposal. Small spills may be flushed to sewer if permitted by federal, state and local regulations.

WASTE DISPOSAL METHOD

Incinerate or bury in a suitable landfill as permitted by government regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use with adequate ventilation. Avoid contact with skin and clothing. Avoid breathing spray mist.

OTHER PRECAUTIONS

N/A

===== **SECTION VIII - CONTROL MEASURES** =====

RESPIRATORY PROTECTION

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ULTRA SHIELD FLAT LATEX

Use a NIOSH approved dust/mist respirator when spraying.

VENTILATION

Local exhaust.

PROTECTIVE GLOVES

Vinyl or neoprene.

EYE PROTECTION

Safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

THE CONDITIONS OF HANDLING, STORAGE, USE & DISPOSAL OF THE PRODUCT COVERED BY THIS MSDS ARE BEYOND THE CONTROL AND KNOWLEDGE OF REPCOLITE PAINTS, INC. THEREFORE WE DO NOT ASSUME RESPONSIBILIY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ULTRA SHIELD SATIN SHEEN

PRODUCT NAME: WHITE ULTRA SHIELD SATIN SHEEN
PRODUCT CODE: .46410

HMIS CODES: H F R P
1 0 0 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: REPCOLITE PAINTS, INC.
ADDRESS : 473 W.17TH STREET
HOLLAND, MI 49423
EMERGENCY PHONE : 800-535-5053
INFORMATION PHONE : 616-396-1275 NAME OF PREPARER : DA

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
Titanium Dioxide OSHA PEL; 10mg/M3 ACGIH TLV; 10mg/M3	13463-67-7		20
Hydrous aluminum silicate OSHA PEL: 15 mg/M3, ACGIH TLV: 10 mg/M3	66402-68-4		5
Microcrystalline silica OSHA PEL: 10 mg/M3, ACGIH TLV: .1 mg/M3	1317-95-9		2.66

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: n/a SPECIFIC GRAVITY (H2O=1): 1.29
VAPOR DENSITY: LIGHTER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
A.I.M. V.O.C.: 0.82 lb/gl V.O.C.: 0.32 lb/gl
SOLUBILITY IN WATER: Dilutable
APPEARANCE AND ODOR: Viscous Liquid, Mild Odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: n/a METHOD USED: n/a
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL
SPECIAL FIREFIGHTING PROCEDURES
N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS
Product will not burn but may spatter if temperature exceeds the boiling point of water. Dried solids can burn.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None Known.

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WHITE ULTRA SHIELD SATIN SHEEN

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning of dried solids may give off oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== **SECTION VI - HEALTH HAZARD DATA** =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May contain products that will irritate mucous membrane and respiratory tract. Inhalation may produce symptoms of headache and nausea in poorly ventilated areas.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Prolonged contact may produce temporary reddening of skin. Direct contact may cause eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No evidence of adverse effects.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation of particulate microcrystalline silica may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: Yes OSHA REGULATED: No

IARC, in volume 42, states that there is "sufficient evidence for the carcinogenicity of microcrystalline silica to experimental animals and limited evidence with respect to humans".

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None known.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: No harmful effects expected. Inhalation: No emergency care anticipated. Skin: Wash affected areas with soap and water. Eyes: Immediately flush eyes with water.

===== **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE** =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Restrict area to personnel needed. Major spills should be collected for disposal. Small spills may be flushed to sewer if permitted by federal, state and local regulations.

WASTE DISPOSAL METHOD

Incinerate or bury in a suitable landfill as permitted by government regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Use with adequate ventilation. Avoid contact with skin and clothing. Avoid breathing spray mist.

OTHER PRECAUTIONS

This product contains microcrystalline silica which is a suspected carcinogen and may cause lung disorders if inhaled as

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ULTRA SHIELD SATIN SHEEN

dust. When processes that will turn this product into dust, such as spraying and sanding, must be carried out, proper precautions must be taken to avoid inhalation of dusts or mists. See Section VII-Control Measures

===== SECTION VIII - CONTROL MEASURES =====

RESPIRATORY PROTECTION

Use a NIOSH approved dust/mist respirator when spraying or sanding.

VENTILATION

Local exhaust.

PROTECTIVE GLOVES

Vinyl or neoprene.

EYE PROTECTION

Safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

THE CONDITIONS OF HANDLING, STORAGE, USE & DISPOSAL OF THE PRODUCT COVERED BY THIS MSDS ARE BEYOND THE CONTROL AND KNOWLEDGE OF REPCOLITE PAINTS, INC. THEREFORE WE DO NOT ASSUME RESPONSIBILIY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT.

M A T E R I A L S A F E T Y D A T A S H E E T

WHITE ACRIGLO EX. LATEX SEMI

PRODUCT NAME: WHITE ACRIGLO EX. LATEX SEMI
PRODUCT CODE: .46110

HMIS CODES: H F R P
1 0 0 E

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: REPCOLITE PAINTS, INC.
ADDRESS : 473 W.17TH STREET
HOLLAND, MI 49423
EMERGENCY PHONE : 800-535-5053
INFORMATION PHONE : 616-396-1275 NAME OF PREPARER : DA

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
Titanium Dioxide OSHA PEL; 10mg/M3 ACGIH TLV; 10mg/M3	13463-67-7		25
Hydrous aluminum silicate OSHA PEL: 15 mg/M3, ACGIH TLV: 10 mg/M3	66402-68-4		5

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: n/a SPECIFIC GRAVITY (H2O=1): 1.3
VAPOR DENSITY: LIGHTER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
A.I.M. V.O.C.: 1.63 lb/gl V.O.C.: 0.61 lb/gl
SOLUBILITY IN WATER: Dilutable
APPEARANCE AND ODOR: Viscous Liquid, Mild Odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: n/a METHOD USED: n/a
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: n/a UPPER: n/a
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL
SPECIAL FIREFIGHTING PROCEDURES

N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS
Product will not burn but may spatter if temperature exceeds the boiling point of water. Dried solids can burn.

===== SECTION V - REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY (MATERIALS TO AVOID): None Known.

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Burning of dried solids may give off oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will Not Occur

===== **SECTION VI - HEALTH HAZARD DATA** =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

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Prolonged contact may produce temporary reddening of skin. Direct contact may cause eye irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

N/A

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

No evidence of adverse effects.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation of particulate microcrystalline silica may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

IARC, in volume 42, states that there is "sufficient evidence for the carcinogenicity of microcrystalline silica to experimental animals and limited evidence with respect to humans".

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This product contains microcrystalline silica which is a suspected carcinogen and may cause lung disorders if inhaled as dust. When processes that will turn this product into dust, such as spraying and sanding, must be carried out, proper

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===== SECTION VIII - CONTROL MEASURES =====

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VENTILATION

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EYE PROTECTION

Safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

N/A

WORK/HYGIENIC PRACTICES

N/A

===== SECTION IX - DISCLAIMER =====

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