

First Church of Christ, Phase II
WOODBIDGE, CONNECTICUT

Completion of Sanctuary and Narthex Restoration
December 26, 2023



PREPARED BY:

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1. INTRODUCTION

John Canning & Co. (JCC) was selected by First Church of Christ (FCC) to perform the Completion of the Sanctuary and Plaster restoration. This project is a multi-phased restoration program that started with plaster survey of the ceiling in 2016. This was followed by separate phases that included plaster stabilization of the ceiling and restoration of the decorative paint also at the ceiling. This phase included the restoration of the decorative paint at the walls, general painting of the Narthex and stairs to balcony, and restoration of the Narthex floor.

JCC was acted as both general contractor and decorative painting specialist. The floor restoration was carried out by Sullivan Brothers, Wolcott, CT. The general paint of the Narthex, stairs, and balcony underside was carried out by FCC preferred general paint contractor Ed Catalan.

2. TREATMENT

In November of 2023, John Canning & Co. was onsite to complete the wall decorative paint project. The goal of this project was to complete the Sanctuary to match the recently restored Sanctuary ceiling. Both of the ceilings and walls of the Sanctuary now representative of the 1800s decorative scheme. However, the decoration of the Chancel (Apse) is a composite of two earlier designs in this space that were somewhat combined and new decorative elements were added at FCC request. Additionally above the windows, new Trompe l'oeil panels were designed and fabricated at the Owner's request.

3. METHODOLOGY

a. Decorative Paint

- i. The Trompe l'oeil decoration was previously expose and documented. The colors of these patterns are also the same as for the ceiling.
- ii. Full scale patterns were produced with paper pounces that were transferred onto prepared and painted canvas in Canning's studio.
- iii. Trompe l'oeil decoration was applied by brush in a series of layering to create shadow, mid-tones and highlights. The paint utilize for the Trompe l'oeil are Ronan Japan colors in various tones. The ground paint for the canvas are Sherwin Williams Emerald in Agreeable Gray color.
- iv. The painted canvas was applied similar to wallpaper using Roman Clay based adhesive 732. The walls were measured and laid out with chalk and pencil. The paste was applied to the back side of the canvas. The canvas was folded into a Constantia fold. The canvas was then applied to the wall and smooth with wallpaper tools.
- v. The wall fields inside Trompe l'oeil borders were painted with Sherwin Williams Emerald in Anew Gray.
- vi. This installation is similar to what was carried out at the ceiling during the previous phase.

b. Flooring

- i. The existing vinyl floor tile was removed.
- ii. The floors were sanded several times to remove adhesive, old coatings and to reveal a level and smooth wood surface.
- iii. Surface was clear coated with four applications of wood sealer/varnish for protection. Existing threshold was repainted.

c. General Painting

- i. Wall surfaces were skim-coated where required to smooth out inconsistencies.
- ii. Plaster walls were primed and painted with in the same fashion as the Sanctuary walls.
- iii. The wood trim was sanded and cleaned. Then painted in Benjamin Moore Advanced Finish.

d. Pews

- i. The wood trim was sanded and cleaned. Then painted in Benjamin Moore Advanced Finish..
- ii. The pew hardware is not in contract.

4. APPENDIX A – Photographs

Arch Before / After



Wall Panels Before / After



Window Panels Before / After



5. **APPENDIX B** – *PDS / MDS*

Emerald® Designer Edition™

Interior Latex Flat

K25 Series



CHARACTERISTICS

Emerald® Designer Edition™ is our finest interior architectural coating. A cleanable finish that offers excellent hide, washability, resistance to burnishing and water spotting.

Anti-Microbial properties*

Color: Most Colors

To optimize hide and color development, always use the recommended P-Shade primer

Coverage: 350 - 400 sq.ft. per gallon
@ 4 mils wet; 1.7 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 1 Hour

Recoat: 4 Hours

Drying and recoat times are temperature, humidity, and film thickness dependent

Finish: 0-5 units @ 85°

Tinting with CCE only:

Base:	oz/gal:	Strength:
UltraWhite	0-7	SherColor
Extra White	0-7	SherColor
Deep Base	4-14	SherColor
Ultradeep Base	10-20	SherColor

Extra White K25W00051

(may vary by color)

V.O.C. (less exempt solvents):

less than 50 grams per litre; 0.42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 42 ± 2%

Weight Solids: 60 ± 2%

Weight per Gallon: 11.88 lbs

Flash Point: N/A

Vehicle Type: Styrene acrylic

Shelf Life: 36 months unopened

***Anti-microbial**

This product contains agents which inhibit the growth of mold and mildew on the surface of this paint film.

COMPLIANCE

As of 01/09/2020, Complies with:

OTC	Yes
OTC Phase II	Yes
SCAQMD	Yes
CARB	Yes
CARB SCM 2007	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI	No

APPLICATION

Apply at temperatures above 50°F.
No reduction needed.

Brush:

Use a nylon/polyester brush.

Roller:

For best final appearance when rolling, finish off in one direction, especially for dark colors.

Use a high quality polyester roller cover. For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless

Pressure 2000 p.s.i.
Tip .017-.021 inch

APPLICATION TIPS

Make sure product is completely agitated (mechanically or manually) before use.

Priming and application of two coats at the recommended film thickness when application to new surfaces is a factor.

When repainting involves a drastic color change, or coating over heavily stained areas, a coat of primer will improve the hiding performance of the topcoat color.

For best final appearance the use of quality brush and rollers is required.

SPECIFICATIONS

Emerald Designer Edition can be used directly over existing coatings, bare drywall, or plaster (cured with a pH of less than 9)

Drywall:

Self-prime using 2 coats of Emerald Designer Edition

or

1 coat Premium Wall and Wood Primer
2 coats Emerald Designer Edition

Masonry / Block: (can be filled to provide a smooth surface or primed if it is a high pH substrate)
1 coat Loxon Acrylic Block Surfer

or

1 coat Loxon Concrete & Masonry Primer
2 coats Emerald Designer Edition

Plaster:

Self-prime using 2 coats of Emerald Designer Edition

or

1 coat Loxon Concrete & Masonry Primer
2 coats Emerald Designer Edition

Previously Painted:

1-2 coats Emerald Designer Edition

Wood:

1 coat Premium Wall and Wood Primer
2 coats Emerald Designer Edition

If the wood has bleeding (such as tannin or knot-holes), prime with Multi-Purpose Primer.

Other primers may be appropriate.

Emerald® Designer Edition™

Interior Latex Flat

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (**NIOSH** approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Caulking:

Gaps between walls, ceilings, crown moldings, and other interior trim can be filled with the appropriate caulk after priming the surface.

Drywall:

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Masonry, Concrete, Cement, Block:

All new surfaces must be cured according to the supplier's recommendations—usually about 30 days. Remove all form release and curing agents. Rough surfaces can be filled to provide a smooth surface. If painting cannot wait 30 days, allow the surface to cure 7 days and prime the surface with Loxon Concrete & Masonry Primer.

SURFACE PREPARATION

Mildew:

Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, 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.

Plaster:

Bare plaster must be cured and hard. Textured, soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with clear water and allow to dry.

Wood:

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth.

CAUTIONS

For interior use only.
Protect from freezing.
Non-photochemically reactive.

Before using, carefully read **CAUTIONS on label**

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (**NIOSH** approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 01/09/2020 K25W00051 03 00

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

SAFETY DATA SHEET

K38T754

Section 1. Identification

Product name : EMERALD™ Urethane Trim Enamel Semi-Gloss
Ultradeep

Product code : K38T754

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (216) 566-2917
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Product Information Telephone Number : US / Canada: Not Available
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 9.6%

Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 9.6%

Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 9.6%

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

Section 2. Hazards identification

- General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
- Prevention** : Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
- Response** : Get medical attention if you feel unwell.
- Storage** : Not applicable.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Kaolin	≤10	1332-58-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : No specific data.

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Kaolin	1332-58-7	ACGIH TLV (United States, 3/2018). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m ³ 10 hours. Form: Respirable fraction TWA: 10 mg/m ³ 10 hours. Form: Total OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Kaolin	1332-58-7	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m ³ 8 hours. Form: Respirable CA British Columbia Provincial (Canada, 7/2018). TWA: 2 mg/m ³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 1/2014). TWAEV: 5 mg/m ³ 8 hours. Form: Respirable dust. CA Ontario Provincial (Canada, 1/2018). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 4 mg/m ³ 15 minutes. Form: respirable fraction TWA: 2 mg/m ³ 8 hours. Form: respirable fraction

Occupational exposure limits (Mexico)

Ingredient name	CAS #	Exposure limits
None.		

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Date of issue/Date of revision K38T754 EMERALD™ Urethane Trim Enamel Semi-Gloss Ultradeep	: 6/22/2019 Date of previous issue : 5/24/2019	Version : 5.05 SHW-85-NA-GHS-US	5/12
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Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid.
- Color** : Not available.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 8.5
- Melting point/freezing point** : Not available.
- Boiling point/boiling range** : 100°C (212°F)
- Flash point** : Closed cup: >94°C (>201.2°F)
- Evaporation rate** : 0.09 (butyl acetate = 1)
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : 2.3 kPa (17.5 mm Hg) [at 20°C]
- Vapor density** : 1 [Air = 1]
- Relative density** : 1.12
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.

Section 9. Physical and chemical properties

- Viscosity** : Kinematic (40°C (104°F)): >0.205 cm²/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Aerosol product**
- Heat of combustion** : 0.388 kJ/g

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Kaolin	Category 1	Inhalation	lungs

Aspiration hazard

Section 11. Toxicological information

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

Section 14. Transport information

Additional information	-	-	-	-	-
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Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

- Proper shipping name** : Not available.
- Ship type** : Not available.
- Pollution category** : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** 5-Chloro-2-methylisothiazolinone
TSCA 5(a)2 final significant new use rules: Pentaoxapentadecane
 This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

- International lists** :
- Australia inventory (AICS):** Not determined.
 - China inventory (IECSC):** Not determined.
 - Japan inventory (ENCS):** Not determined.
 - Japan inventory (ISHL):** Not determined.
 - Korea inventory (KECI):** Not determined.
 - New Zealand Inventory of Chemicals (NZIoC):** Not determined.
 - Philippines inventory (PICCS):** Not determined.
 - Taiwan Chemical Substances Inventory (TCSI):** Not determined.
 - Thailand inventory:** Not determined.
 - Turkey inventory:** Not determined.
 - Vietnam inventory:** Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	3
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16. Other information

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 1	Calculation method

History

Date of printing : 6/22/2019

Date of issue/Date of revision : 6/22/2019

Date of previous issue : 5/24/2019

Version : 5.05

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

▣ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

Date of issue/Date of revision : 6/22/2019	Date of previous issue : 5/24/2019	Version : 5.05	11/12
K38T754	EMERALD™ Urethane Trim Enamel Semi-Gloss Ultradeep	SHW-85-NA-GHS-US	

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

B51-600 Series


**SHERWIN
WILLIAMS®**

CHARACTERISTICS

PrepRite ProBlock Interior-Exterior Latex Primer-Sealer:

- Assures uniform appearance of topcoats
- Fast dry
- Apply at temperatures down to 35°F
- Assures adhesion of the topcoat to slick, glossy surfaces
- Seals out solvent sensitive stains - tar, solvent based markers, etc.
- Seals minor dried water stains and tannin
- Provides easy "slip" for positioning of wallpaper

Use on Interior

- Ceiling Tiles • Paneling • Wall Laminate
- Cured Plaster • Varnished Woodwork
- Kitchen Cabinets • Ceramic Wall Tile
- Under wallcovering

Use on Interior and Exterior:

- Wood • Aluminum • Galvanized Metal
- Previously Painted Surfaces • PVC Piping
- Drywall • Concrete and Masonry • Many Plastics
- Glossy Surfaces • Fiberglass • Copper
- Glazed Block

Color: White & Deep Base

For best topcoat color development, use the recommended "P"-shade primer. Check color before use.

Coverage: 400 sq.ft.per gallon
@ 4.0 mils wet;
1.4 mils dry

Drying and recoat times are temperature, humidity, and film thickness dependent

Drying Time, @ 77°F, 50% RH:

Touch: 30 minutes

Recoat: as a primer 1 hour

Recoat: as a stain sealer: 4 hours

Recoat: to apply wallcovering: 3 hours

Finish: 5-10 units @85°

Tinting with CCE only:

Base	oz. per gallon	Strength
White	0-4	SherColor
Deep Base	4-12	SherColor

White B51W00620
(may vary by base)

V.O.C. (less exempt solvents):

less than 50 grams per litre; .42 lbs. per gallon
As per 40 CFR 59.406

Volume Solids: 35 ± 2%

Weight Solids: 52 ± 2%

Weight per Gallon: 10.9 lbs

Flash Point: N.A.

Vehicle Type: Styrenated Acrylic Latex

Shelf Life: 36 months unopened

Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film.

COMPLIANCE

As of 05/13/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	Yes
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	Yes
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Product Lens Certified	Yes
MPI®	Yes

APPLICATION

When the air temperature is at 35°F, substrates may be colder; prior to painting, check to be sure the air, surface, and material temperature are above 35°F and at least 5°F above the dew point. Avoid using if rain or snow is expected within 2-3 hours. Air and surface temperatures must not drop below 35°F for 48 hours after application.

Do not reduce for stain blocking

Brush:

Use a nylon-polyester brush.

Roller:

Use a 3/8 inch nap soft woven roller cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide on sherwin-williams.com

Spray—Airless:

Pressure 2000 p.s.i.

Tip .015-.021 inch

APPLICATION TIPS

For best topcoat color development, use the recommended "P"-shade primer.

When spot priming on some surfaces, a non-uniform appearance of the final coat may result, due to differences in holdout between primed and unprimed areas. To avoid this, prime the entire surface rather than spot priming.

For optimal performance, this primer must be topcoated with a latex, alkyd-oil, water based epoxy, or solvent based epoxy coating on architectural applications.

For exterior exposure, this primer must be topcoated within 14 days with architectural latex or oil finishes.

For better performance when priming an entire house, use Exterior Latex or Oil-Based Primers

PrepRite ProBlock Latex Primer-Sealer can be topcoated in 1 hour in non-stain blocking applications.

SPECIFICATIONS

1 coat PrepRite ProBlock Interior-Exterior Latex Primer-Sealer

2 coats Appropriate topcoat

Recommended Architectural Topcoats:

All Surface Enamels
A-100 Exterior Latex
Duration Exterior & Duration Home Interior
Emerald Exterior & Interior
Emerald Urethane Trim Enamel
SuperPaint Exterior & Interior
ProClassic Interior Enamels
ProMar Series Interior

Recommended Industrial Topcoats:

Pro Industrial Acrylic Coating
Pro Industrial Pre-Cat Epoxy
Pro Industrial Pre-Cat Urethane
Pro Industrial Waterbased Catalyzed Epoxy

PrepRite® ProBlock®

Interior-Exterior Latex Primer-Sealer

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Scrape and sand peeled or checked paint to a sound surface. Sand glossy surfaces dull. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Special recommendations - After priming stained areas, allow to dry 4 hours, test a small area for bleeding by applying the topcoat before painting the entire project. If the stain bleeds through, apply a second coat of primer and allow to dry overnight and retest before topcoating.

Caulking - Fill gaps between walls, ceilings, crown moldings, and other trim with the appropriate caulk after priming the surface.

Drywall - Fill cracks and nail holes with patching paste-spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust.

Fire restoration work - Thoroughly clean the surface before applying to smoke stained areas. Apply one or two coats of PrepRite ProBlock Latex Primer-Sealer and test a small area for bleeding before painting the entire surface.

Testing - Always check for compatibility and adhesion to the surface by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion.

Tile - laminate, ceramic and plastic tiles, and similar glossy surfaces, must be free of all oil, grease, and soap residue. Do not use this product in areas subject to excessive water, e.g.: in showers, around sinks, on counter tops.

On hard, slick, glossy, or otherwise hard to paint surfaces, after preparing the surface, apply a test area of this primer, allow to dry properly and test for adhesion.

When used as a primer under wallcovering. After wallcovering has been applied and the adhesive has dried and cured, wait at least 21 days before removing the wallcovering to avoid damage to the drywall.

SURFACE PREPARATION

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, 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.

Plaster - Must be cured, usually 30 days, and hard. If painting cannot wait, allow the surface to dry 7 days and prime with Loxon Concrete and Masonry Primer. Soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until the surface is hard, rinse with water and allow to dry before painting.

Wood Exterior - Sand any exposed, weathered wood to a fresh surface. Replace any deteriorated wood. On woods that present potential tannin bleeding, such as redwood and cedar, PrepRite ProBlock Latex Primer-Sealer can be used. Care must be taken to determine if tannins will be activated by the water in the coating. To test for bleeding, coat a 4 foot by 4 foot section with the primer. If no bleeding is evident within 4 hours, proceed with complete priming. If bleeding occurs, use Exterior Oil-Based Wood Primer.

For a complete whole house primer outside, use Exterior Latex Wood Primer or Exterior Oil-Based Wood Primer.

CAUTIONS

Protect from freezing.

Before using, carefully read **CAUTIONS on label**

CRYSTALLINE SILICA: Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Adequate ventilation required when sanding or abrading the dried film. If adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Abrading or sanding of the dry film may release crystalline silica which has been shown to cause lung damage and cancer under long term exposure. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

HOTW 05/13/2021 B51W00620 27 00

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

SAFETY DATA SHEET

B51W620

Section 1. Identification

Product name	: PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White
Product code	: B51W620
Other means of identification	: Not available.
Product type	: Liquid.
<u>Relevant identified uses of the substance or mixture and uses advised against</u>	
Paint or paint related material.	
Manufacturer	: THE SHERWIN-WILLIAMS COMPANY 101 W. Prospect Avenue Cleveland, OH 44115
Emergency telephone number of the company	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year
Product Information Telephone Number	: US / Canada: 1-800-474-3794 Mexico: Not Available
Regulatory Information Telephone Number	: US / Canada: (216) 566-2902 Mexico: Not Available
Transportation Emergency Telephone Number	: US / Canada: (800) 424-9300 Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms



Signal word	: Danger
Hazard statements	: Suspected of causing cancer. Causes damage to organs through prolonged or repeated exposure. (lungs)

Precautionary statements

General	: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Date of issue/Date of revision	: 2/22/2023	Date of previous issue	: 11/26/2022	Version	: 21.02	1/12
B51W620	PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer White			SHW-85-NA-GHS-US		

Section 2. Hazards identification

- Response** : IF exposed or concerned: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** : WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Adequate ventilation required when sanding or abrading the dried film. If Adequate ventilation cannot be provided wear an approved particulate respirator (NIOSH approved). Follow respirator manufacturer's directions for respirator use. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Abrading or sanding of the dry film may release Crystalline Silica which has been shown to cause lung damage and cancer under long term exposure.
- This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.
- Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	CAS number
Titanium Dioxide	≥10 - ≤25	13463-67-7
Talc	≤10	14807-96-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	OSHA PEL (United States, 5/2018). TWA: 15 mg/m ³ 8 hours. Form: Total dust
Talc	14807-96-6	ACGIH TLV (United States, 1/2022). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles NIOSH REL (United States, 10/2020). TWA: 2 mg/m ³ 10 hours. Form: Respirable fraction ACGIH TLV (United States, 1/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable fraction

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Titanium dioxide	13463-67-7	CA British Columbia Provincial (Canada, 3/2022). TWA: 10 mg/m ³ 8 hours. Form: Total dust TWA: 3 mg/m ³ 8 hours. Form: respirable fraction CA Quebec Provincial (Canada, 6/2021). TWAEV: 10 mg/m ³ 8 hours. Form: Total dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 10 mg/m ³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. TWA: 10 mg/m ³ 8 hours.
talc (none asbestiform)	14807-96-6	CA British Columbia Provincial (Canada, 3/2022). TWA: 2 mg/m ³ 8 hours. Form: Respirable CA Quebec Provincial (Canada, 6/2021). TWAEV: 2 mg/m ³ 8 hours. Form: Respirable dust. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 2 mg/m ³ 8 hours. Form: Respirable particulate CA Ontario Provincial (Canada, 6/2019). TWA: 2 mg/m ³ 8 hours. Form: Respirable particulate matter. TWA: 2 f/cc 8 hours. CA Saskatchewan Provincial (Canada,

Section 8. Exposure controls/personal protection

		7/2013). TWA: 2 mg/m ³ 8 hours. Form: respirable fraction
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Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : **This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.**
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: Not available.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 8.8
Melting point/freezing point	: Not available.
Boiling point, initial boiling point, and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.09 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Not available.
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.31
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
Aerosol product	
Heat of combustion	: 0.383 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 ug l	-
Talc	Skin - Mild irritant	Human	-	72 hours 300 ug l	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Talc	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Talc	Category 1	inhalation	lungs

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Section 11. Toxicological information

- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

- General** : Causes damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 proposed significant new use rules:** 2-Methyl-4-isothiazolin-3-one; 5-Chloro-2-methylisothiazolinone
TSCA 5(a)2 final significant new use rules: Sodium Nitrite

List name	Chemical name	Notes
United States - TSCA 5(a) 2 - Final significant new use rules	Sodium Nitrite	

This product contains a Significant New Use Rule (SNUR) Chemical. Do not allow this product to enter drains, sewers, wastewater treatment systems, groundwater, streams, lakes or ponds. See Environmental Data Sheet (EDS) for additional details.

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

International lists

- Australia inventory (AIIIC):** Not determined.
- China inventory (IECSC):** Not determined.
- Japan inventory (CSCL):** Not determined.
- Japan inventory (ISHL):** Not determined.
- Korea inventory (KECI):** Not determined.
- New Zealand Inventory of Chemicals (NZIoC):** Not determined.
- Philippines inventory (PICCS):** Not determined.
- Taiwan Chemical Substances Inventory (TCSI):** Not determined.
- Thailand inventory:** Not determined.
- Turkey inventory:** Not determined.
- Vietnam inventory:** Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	*	3
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

History

Date of printing : 2/22/2023

Date of issue/Date of revision : 2/22/2023

Date of issue/Date of revision : 2/22/2023	Date of previous issue : 11/26/2022	Version : 21.02	11/12
B51W620	PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer	SHW-85-NA-GHS-US	
	White		

Section 16. Other information

Date of previous issue	: 11/26/2022
Version	: 21.02
Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

Date of issue/Date of revision	: 2/22/2023	Date of previous issue	: 11/26/2022	Version	: 21.02	12/12
B51W620	PrepRite® ProBlock® Interior/Exterior Latex Primer/Sealer				SHW-85-NA-GHS-US	
	White					

DESCRIPTION

Ronan's Japan Colors are finely ground, lead-free, semi paste colors. This traditional product dries quickly to a flat finish. Japan Colors have a wide range of graphic arts, scenic painting and other professional artist uses. They make ideal toners for flat paints and may be added to oil based gloss paints to create a semi-gloss finish. Also used for lettering, striping and stenciling.

SURFACE PREPARATION

All surfaces must be clean, free from loose or peeling paint, grease, oil, dirt, rust, mill scale and other contaminants. If this procedure is not observed, the drying and adhesion of any coating will be adversely affected.

Previously Painted Surfaces: Dull gloss areas by light sanding to enhance adhesion. If necessary, prime with Ronan Sticktite White or Prime-All.

Wood Surfaces: Clean surface to eliminate oil, grease and other contaminants. Prime with Ronan Prime-All.

Metal Surfaces: Remove loose rust and scale with a wire brush, steel wool and/or sandpaper. All oil, grease and contamination must be removed. Acidic or alkaline surfaces should be neutralized. Prime with Ronan Universal Primer.

Galvanized Metal and Aluminum: Surface should be wiped with solvent to remove oil and grease. A mild solution of phosphoric acid should be used for etching to assume a good bond. If acids are not available slight surface sanding will be beneficial. Prime with Ronan Universal Primer.

Concrete: A white powdery deposit (efflorescence), often found on concrete and masonry surfaces should be completely removed with a stiff wire brush. New concrete should set four (4) to six (6) weeks before coating. All concrete surfaces should be etched with a solution of four (4) parts water to one (1) part muriatic acid. Let solution soak on surface for 15 minutes before rinsing with clean water. Allow 48 hours to dry before painting. Primer with Ronan Prime-All.

MDO Plywood: Clean surface to eliminate oil, grease and other contaminants. Prime face with Prime-All. All edges should be puttied and then primed with two coats of Ronan Prime-All.

Masonite: Clean surface to eliminate oil, grease and other contaminants. Prime with Prime-All.

APPLICATION

Follow surface preparation instructions. Stir thoroughly before use. May be brushed or rolled. If using on exterior surfaces, the use of a protective clear topcoat is recommended. When topcoating with any protective clear, always test a small area first to determine compatibility and ensure the clear won't lift or discolor the Japan Color.

THINNING

Japan Colors are packaged in a semi-paste form. Observe all applicable VOC laws. Whether this material can be thinned depends on the end use process and regional/local VOC limits. If thinning is appropriate, use Mineral Spirits. Excessive thinning will cause the pigment to separate. When making stains, add 5-10% Sign Finishing Clear to the Japan Color/Solvent mixture.

TECHNICAL DATA SHEET—PAGE 2

JAPAN COLORS

TINTING	All Ronan Japan Colors may be intermixed to create new shades, tints and tones. May be tinted with up to 4 ounces per gallon of most universal colors.
CLEAN UP	Mineral Spirits
DRY TIMES	At 70°F and 50% relative humidity, Japan Colors will be dry to touch in one (1) hour. Wait two (2) hours to handle and eight (8) hours to recoat. Wait a full 24 hours for a full cure. Dry times may take longer in cooler and/or more humid conditions.
APPLICATION CONDITIONS	Minimum temperature: 50°F Maximum temperature: 95°F Maximum humidity: 90% At all temps, adequate ventilation is required for the protection of the applicator due to the volatility of the solvents in the material.
FINISH	Flat
WEIGHT PER GALLON	Varies by color, 9.8-13.8 lbs (approximate)
SOLIDS %	Varies by color, 69-84% by weight
VISCOSITY	90-95 KU at 75°F
THEORETICAL COVERAGE	Approximately 400 square feet at 4 mils wet
SPREAD RATE	642 square feet @ 1 mil dry
FLASH POINT	105°F
PACKAGING	US Quart (32 fl oz), 6/case US Half Pint (8 fl oz), 24/case
STORAGE TEMPERATURE	Minimum: 50°F Maximum: 95°F
SHELF LIFE	Two (2) years
VOC INFO	Varies by color but will not exceed 450 grams/liter
CAUTIONS	Read Safety Data Sheet and/or all warnings on the label before handling or using this product.
PRODUCT WARRANTY	All recommendations for the use of Ronan products are based on tests and experience believed to be reliable. It is the responsibility of the purchaser to determine the suitability of this product for its intended use. Since the methods of use, conditions of application and the application itself are beyond the manufacturer's and seller's control, product warranty is restricted to replacement of defective materials only. No other warranty, written or oral, is expressed or implied.
REVISION DATE	July 1, 2018

01030-XXXX



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: JAPAN COLOR

MANUFACTURER:
COVENTRY COATINGS CORP.
dba Ronan Paints
89 Taft Ave.
Newburgh, NY 12550
USA: 1-800-307-7951 or (845) 562-5666

**EMERGENCY CONTACT FOR
SPILL, FIRE, EXPLOSION:
CHEM-TREC 1-800-424-9300**

PRODUCT CODES:

J305	REFINED LAMPBLACK	J306	DROPBLACK C	J313	C.P. GREEN M
J316	C.P. GREEN L	J319	CHROME YELLOW LL	J321	CHROME YELLOW M
J322	CHROME YELLOW O	J328	FRENCH YELLOW OCHRE	J340	COBALT BLUE
J350	PRUSSIAN BLUE	J353	ULTRAMARINE BLUE	J354	BURNT SIENNA
J355	BURNT UMBER	J358	RAW SIENNA	J359	RAW UMBER
J3615	SOLID COVERING LAMPBLACK	J363	VAN DYKE BROWN	J3754	POSTER RED
J3787	FLAKE WHITE	J3836	PERMANENT BLUE	J388	C.P. GREEN D
J4026	ROSE PINK	J421	AMERICAN VERMILION	J434	LIBERTY RED M
J435	TURKEY RED	J441	VENETIAN RED	J491	BULLETIN RED
J536	EMERALD GREEN	J691	FRENCH ZINC WHITE	J692	PERMANENT STRIPING WHITE
J818	SIGNCRAFT RED				

SECTION 2: HAZARD IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification:	FLAMMABLE LIQUIDS:	Category 3
	ASPIRATION HAZARD:	Category 1
	ACUTE TOXICITY: Dermal	Category 4
	ACUTE TOXICITY: Inhalation	Category 4
	ACUTE TOXICITY: Oral	Category 4
	CARCINOGENICITY:	Category 2
	EYE IRRITATION:	Category 2A
	REPRODUCTIVE TOXICITY:	Category 2
	SKIN IRRITATION:	Category 2
	SPECIFIC TARGET ORGAN TOXICITY:	
	SINGLE EXPOSURE:	Category 3 (Central Nervous System, Respiratory)
	REPEATED EXPOSURE:	Category 2 (Liver, Kidney, Central Nervous System)

GHS Label Elements: **PICTOGRAMS**



SIGNAL WORD: DANGER

Hazard Statements: Flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Harmful in contact with skin. May cause an allergic skin reaction. Causes skin and serious eye irritation. Harmful if inhaled. May cause respiratory irritation, drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements:

Prevention: Read all warning statements on all labels for this and any other products to be mixed with it prior to use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and other tools or equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fumes, gas, mist, vapors or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing and eye protection/face protection. Wear an appropriate, properly fitted fresh-air supplied respirator (NIOSH-approved TC19 or equivalent)

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during and after application, and until all organic solvent vapors and spray mists are exhausted, or any time airborne contaminant levels exceed exposure limits indicated in Section 8.

Response:

IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Wash with plenty of water. Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing. If eye irritation persists: Get medical attention. If exposed or concerned: Get medical attention. Call a POISON CENTER, doctor or physician if you feel unwell.

If medical advice is needed, have product container/label and Safety Data Sheet at hand.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish, do not use water, see Section 5.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

Disposal:

Dispose of contents and container with an approved waste disposal facility in compliance with local, regional and national regulations. Avoid release to environment. If spilled, contain material with inert absorbent, in compliance with local, regional and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% by Weight
ALKYD RESIN	MIXTURE	20 – 30 %
TITANIUM DIOXIDE	13463-67-7	20 – 30 %
MINERAL SPIRITS	64742-88-7	15 – 20 %
XYLENE	1330-20-7	1 – 5 %
HIGH FLASH NAPHTHA	64742-95-6	1 – 5 %
MAGNESIUM SILICATE	14807-96-6	1 – 5 %
CARBON BLACK	1333-86-4	1 – 5 %
GLYCOL ETHER EB	111-76-2	0.2 – 0.5 %

SECTION 4: FIRST AID MEASURES**Eyes:**

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, check for and remove contact lenses. Seek immediate medical attention.

Skin:

Remove contaminated clothing. Immediately flush exposed area with large amounts of water for at least 15 minutes. If symptoms persist, seek medical attention. Wash clothing separately and clean shoes before reuse.

Ingestion:

Do NOT induce vomiting. Seek immediate medical attention, contact physician or poison control center. Never give anything by mouth to an unconscious person.

Inhalation:

Seek immediate medical attention. Remove from exposure to fresh air. If not breathing or if breathing is irregular, provide artificial respiration or oxygen by trained personnel; rescuers should put on appropriate protective gear. To prevent aspiration, keep head below knees.

Notes to Physician:

Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES**Suitable Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Alcohol-resistant Foam.

Fire Fighting Procedures:

Fight as volatile liquid fire. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Eliminate all sources of ignition. Evacuate unnecessary personnel. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

Unusual Fire and Explosion Hazard:

Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Vapors/dust may cause flash fire or explosion. This material may be ignited by heat, sparks, flame or static electricity. Closed containers may explode when exposed to extreme heat. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Environmental Precautions:**

Avoid runoff and contact with soil, drains, sewers and waterways. Contact appropriate authority if spill is in excess of reportable quantity, in compliance with local and national regulations.

Personal Precautions:

Eliminate all ignition sources. Contact emergency personnel. Evacuate the spill area and keep unnecessary, unprotected personnel away. Do not breathe vapors, use suitable personal protective equipment. Do not touch or walk through spilled material. Prevent additional discharge of material if able to do so safely. Ventilate spill area.

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Method of Cleaning Up: Absorb spilled material with an inert dry material and place in an appropriate waste disposal container. Contaminated absorbent material may pose the same hazard as the spilled product. Dispose of product in accordance with local, county, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Use only in a well-ventilated area, with appropriate personal protective equipment, (see section 8), obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container. Keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Hygienic Practices: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash hands and face with soap and water after handling and before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas. Launder contaminated clothing before reusing. Uniforms or clothing containing paint residue should not be laundered with household garments.

Conditions for Safe Storage, Including Incompatibilities:

Do not store below 41°F (5°C). Do not store above 90°F (32°C). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, well-ventilated area, away from incompatible materials. Store locked up. Keep containers tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and be kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name	CAS Number	Exposure Limits
ALKYD RESIN	MIXTURE	Data not available
MINERAL SPIRITS	64742-88-7	Data not available
HIGH FLASH NAPHTHA	64742-95-6	Data not available
XYLENE	1330-20-7	OSHA PEL TWA 100 PPM ACGIH TWA 100 PPM
GLYCOL ETHER EB	111-76-2	OSHA PEL TWA 50 PPM ACGIH TWA 20 PPM
MAGNESIUM SILICATE	14807-96-6	OSHA PEL TWA 2 mg/m ³ , respirable fraction ACGIH TWA 2 mg/m ³
CARBON BLACK	1333-86-4	OSHA PEL 3.5 mg/m ³ ACGIH TLV 3.5 mg/m ³
TITANIUM DIOXIDE	13463-67-7	OSHA PEL TWA 15mg/m ³ , total dust ACGIH TLV 10mg/m ³

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal Protective Equipment

Eyes and Face: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin: Wear impervious gloves to prevent contact with the skin. Where contact is likely, wear chemical resistant gloves, a chemical suit, long sleeves, rubber boots, and chemical safety goggles plus a face shield.

Respiratory: Wear an appropriate, properly fitted fresh-air supplied respirator, (NIOSH-approved TC-19C or equivalent), during and after application, until all organic vapors and spray mists are exhausted or any time airborne contaminate levels exceed exposure limits. Follow respirator manufacturer's directions and observe OSHA regulations for respirator use (29 CFR 1910.134).

Work Hygienic Practices:

Do not eat, drink, or smoke in areas where this material is used. Do not breathe vapors, fumes or mist. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Liquid in various colors
Odor:	Typical
pH:	Not available
Flash Point and Method:	> 105° F (42° C)
Boiling Point:	>100° F
Density (lbs/gal):	9.5 – 14.0
Specific Gravity:	1.14 – 1.68

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Evaporation Rate:	Not available
Flammability(Solid/Gas):	Not applicable
Vapor Pressure:	Not available
% Solubility in Water:	Negligible
Auto-Ignition Temperature:	Not available
Decomposition Temperature:	Not available

CODE	ACTUAL VOC GRAMS/LITER	REGULATORY VOC GRAMS/LITER
J305	393.01	393.01
J306	389.29	389.29
J313	419.37	419.37
J316	397.63	397.63
J319	424.54	424.54
J321	397.46	397.46
J322	365.26	365.26
J328	383.67	383.67
J340	333.66	333.66
J350	400.09	400.09
J353	333.66	333.66
J354	386.14	386.14
J355	385.83	385.83
J358	350.39	350.39
J359	378.28	378.28
J3615	429.12	429.12
J363	353.08	353.08
J3754	393.54	393.54
J3787	342.87	342.87
J3836	345.37	345.37
J388	326.89	326.89
J4026	321.88	321.88
J421	382.32	382.32
J434	597.99	597.99
J435	597.99	597.99
J441	425.08	425.08
J491	382.32	382.32
J536	582.80	582.80
J691	361.12	361.12
J692	361.12	361.12
J818	393.54	393.54

SECTION 10: STABILITY AND REACTIVITY**Hazardous Polymerization:**

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid:

Keep away from heat, sparks, flames, and other sources of ignition. Do not smoke; extinguish all flames and pilot lights. Turn off stoves, heaters, electrical motors, tools, appliances and any other possible sources of ignition prior to spray application, during use and until all vapors are exhausted from the area.

Chemical Stability:

The product is stable. Keep away from heat, open flame, sparks, static electricity, freezing.

Hazardous Decomposition Products:

Decomposition products can include and are not limited to: Carbon monoxide, carbon dioxide

Incompatible Materials:

Alkaline materials, strong acids and oxidizing materials.

Possibility of Hazardous Reactions:

Under normal conditions of use and storage, hazardous reactions will not occur.

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SECTION 11: TOXICOLOGICAL INFORMATION

Available ingredient data is listed below:

GLYCOL ETHER EB (111-76-2)		
Acute Dermal Toxicity	LD:50 >2,000 mg/kg (guinea pig)	Category 4: Harmful in contact with skin.
Acute Inhalation Toxicity	LC0: >3.1 mg/l 1hrs (guinea pig)	Category 4: Harmful if inhaled.
Acute Oral Toxicity	LD50: 1,400 mg/kg (guinea pig)	Category 4: Harmful if swallowed.
Eye Irritation	Category 2A: Causes serious eye irritation.	
Skin Irritation	Category 2: Causes skin irritation.	
Reproductive Toxicity	Contains Ethylene glycol which is know to the State of California to cause birth defects or other reproductive harm.	
HIGH FLASH NAPHTHA (64742-95-6)		
Acute Dermal Toxicity	LD50: >3,160 mg/kg (rabbit)	
Acute Inhalation Toxicity	LC50: >6193 mg/m ³ , 4hrs (rat)	
Acute Oral Toxicity	LD50: 3,492 mg/kg (rat)	
Aspiration Toxicity	Category 1: May be fatal if swallowed and enters airways.	
Carcinogenicity Classification	Category 2: Contains Cumene, (CAS No. 98-82-8): IARC Group 2B Suspected of causing cancer.	
Target Organ, Single Exposure	Category 3: Central Nervous System, May cause drowsiness or dizziness. Respiratory, May cause respiratory irritation.	
XYLENE (1330-20-7)		
Acute Dermal Toxicity	LD50: >4,200 mg/kg (rabbit)	Category 4: Harmful in contact with skin.
Acute Inhalation Toxicity	LC50: >20 mg/l 4hrs (rat)	Category 4: Harmful if inhaled.
Acute Oral Toxicity	LD50: 3,523 mg/kg (rat)	
Aspiration Toxicity	Category 1: May be fatal if swallowed and enters airways.	
Carcinogenicity Classification	Category 2: Contains Ethyl Benzene: IARC Group 2B Suspected of causing cancer.	
Target Organ, Single Exposure	Category 3: Respiratory, May cause respiratory irritation.	
Target Organ, Repeated Exposure	Category 2: Liver, Kidney, Central Nervous System, May cause damage to organs through prolonged or repeated exposure.	
Eye Irritation	Category 2B: Causes eye irritation.	
Skin Irritation	Category 2: Causes skin irritation.	
MAGNESIUM SILICATE (14807-96-6)		
Not classified according to Globally Harmonized System (GHS)		
CARBON BLACK (1333-86-4)		
Acute Dermal Toxicity	LD50: >240 mg/kg (rabbit)	
Acute Inhalation Toxicity	LC50: >156 g/m ³ (rat)	
Acute Oral Toxicity	LD50: >5,000 mg/l (rat)	
Carcinogenicity Classification	IARC Group 2B: Suspected of causing cancer.	
TITANIUM DIOXIDE (13463-67-7)		
Acute Dermal Toxicity	LD50: >5,000 mg/kg (rabbit)	
Acute Inhalation Toxicity	LC50: >6.8 mg/l 4hrs (rat)	
Acute Oral Toxicity	LD50: >5,000 mg/kg (rat)	
Carcinogenicity Classification	IARC Group 2B: Suspected of causing cancer. IARC MONOGRAPHS VOLUME 93 5.1 Exposure data: 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 in paints. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).	

SECTION 12: ECOLOGICAL INFORMATION

Available ingredient data is listed below:

GLYCOL ETHER EB (111-76-2)		
Toxicity to fish	Oncorhynchus mykiss (rainbow trout)	LC50: 1,464 mg/l 96hrs
Toxicity to daphnia and other aquatic invertebrate	Daphnia magna (Water flea)	EC50 1,550 mg/l 48hrs
Toxicity to algae	Pseudokirchneriella subcapitata (green algae)	EbC50 911 mg/l 72hrs
Persistence and degradability	Biodegradability: Readily	Biodegradation: 90.4%
Bioaccumulative potential	Partition coefficient: n-octanol/water	log Pow: 0.81
XYLENE (1330-20-7)		
Acute aquatic toxicity	Expected to be toxic to aquatic organisms.	
Toxicity to fish	Oncorhynchus mykiss (rainbow trout)	LC50: 2.6 mg/l 96hrs
Toxicity to daphnia and other aquatic invertebrate	Daphnia magna (Water flea)	EC50: 1 mg/l 24hrs
Toxicity to algae	Pseudokirchneriella subcapitata (green algae)	ErC50: 4.36 mg/l 73hrs
Persistence and degradability	Biodegradability: Readily	Biodegradation: >70%
Bioaccumulative potential	Partition coefficient: n-octanol/water	log Kow: 3.12 - 3.20
TITANIUM DIOXIDE (13463-67-7)		
Toxicity to fish	Pimephales promelas (flathead minnow)	LC50: >1,000 mg/l 96hrs
Toxicity to daphnia and other aquatic invertebrate	Daphnia magna (Water flea)	LC50: >1,000 mg/l 48hrs
Toxicity to algae	Pseudokirchneriella subcapitata (green algae)	EC50: >100 mg/l 72hrs
Bioaccumulative potential	Does not accumulate in organisms	

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HIGH FLASH NAPHTHA (64742-95-6)

Environmental Hazards:	Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.	
Toxicity to fish	Oncorhynchus mykiss (rainbow trout)	LL50: 9.2 mg/l 96hrs
Toxicity to daphnia and other aquatic invertebrate	Daphnia magna (Water flea)	EL50: 3.2 mg/l 48hrs
Toxicity to algae	Pseudokirchneriella subcapitata (green algae)	Erl50: 2.9 mg/l 72hrs
Persistence and degradability	Biodegradability: Readily	Biodegradation: 78 %

SECTION 13: DISPOSAL CONSIDERATIONS

Recommendations: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection, waste disposal legislation and any regional local authority requirements. Empty containers should be disposed of through an approved waste management facility. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, ensure conformity to all applicable hazardous waste regulations, and consult your local or regional authorities.

SECTION 14: TRANSPORT INFORMATION**Land Transport (DOT):**

UN PROPER SHIPPING NAME: PAINT
 TRANSPORT HAZARD CLASS: 3
 UN NUMBER: 1263
 PACKING GROUP: III

The listed transportation information applies only to ground transport and does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the shipper and the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. Local Government regulations and rules should prevail.

SECTION 15: REGULATORY INFORMATION**United States Federal Regulations:****EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA RQ - 40 CFR302.4(a):** List of Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	CAS Number	RQ
GLYCOL ETHER EB	111-76-2	Glycol Ethers N230
HIGH FLASH NAPHTHA Contains: Cumene	64742-95-6 98-82-8	5,000 lbs.
XYLENE Contains: ETHYL BENZENE	1330-20-7 100-41-4	100 lbs. 1,000 lbs.

SARA 313 Components - 40 CFR 372.65

Reporting requirements of Section 313 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and 40 CFR 372:

Chemical Name	CAS Number
GLYCOL ETHER EB	111-76-2 Glycol Ethers N230
HIGH FLASH NAPHTHA Contains:1,2,4-Trimethylbenzene Cumene	64742-95-6 95-63-6 98-82-8
XYLENE Contains: ETHYL BENZENE	1330-20-7 100-41-4

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STATE REGULATIONS:**California Proposition 65:****⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov**

Chemical Name	CAS Number	
CARBON BLACK	1333-86-4	Cancer
GLYCOL ETHER EB	111-76-2	Birth defects or other reproductive harm.
HIGH FLASH NAPHTHA Contains: Cumene	64742-95-6 98-82-8	Cancer
MINERAL SPIRITS Contains: Benzene	64742-88-7 71-43-2	Cancer, Birth defects or other reproductive harm
Naphthalene	91-20-3	Cancer
Ethyl Benzene	100-41-4	Cancer
Cumene	98-82-8	Cancer
Toluene	108-88-3	Birth defects or other reproductive harm
XYLENE Contains: Ethyl Benzene	1330-20-7 100-41-4	Cancer
MAGNESIUM SILICATE Contains: Quartz	14807-96-6 14808-60-7	Cancer
TITANIUM DIOXIDE	13463-67-7	Cancer The listing for titanium dioxide as "airborne, unbound particles of respirable size" and does not cover titanium dioxide when it remains within a product matrix.

New Jersey, Pennsylvania, Massachusetts Right-To-Know Component Information

Chemical Name	CAS Number
GLYCOL ETHER EB	111-76-2
TITANIUM DIOXIDE	13463-67-7
XYLENE	1330-20-7
HIGH FLASH NAPHTHA	64742-95-6
MINERAL SPIRITS	64742-88-7
MAGNESIUM SILICATE	14807-96-6
CARBON BLACK	1333-86-4

SECTION 16: OTHER INFORMATION**HMIS RATING**

Health: 3
Flammability: 3
Personal Hazard: 1
Personal Protection: J

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

DISCLAIMER: The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date. Coventry Coatings Corp. makes no representation, warranty or guarantee as to the completeness or accuracy thereof. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

DATE ISSUED: 3/19/2021

Version No.: J2

USG SHEETROCK® BRAND ALL PURPOSE JOINT COMPOUND



The original, most-trusted conventional weight all purpose joint compound for all phases of drywall finishing.

- Excellent for skim coating
- Best-in-class for embedding tape
- Superior filling and finishing
- GREENGUARD Gold certified and qualifies as a low VOC emitting material (CDPH Standard Method V1.1, also known as CA Section 01350)

DESCRIPTION

For embedding USG Sheetrock® Brand Paper Joint Tape, for applying drywall filling and finishing coats. Also for covering fasteners, USG Sheetrock® Brand Corner Bead and Trim, skim coating drywall surfaces and hand-applying simple textures. For repairing cracks on drywall and plaster.

LIMITATIONS

1. Protect container from freezing, extreme heat and exposure to direct sunlight.
2. Prior to using any epoxy coating over any surface treated with joint compound, consult the epoxy coating manufacturer and follow manufacturer's specific recommendations regarding the preparation or suitability of substrates for the epoxy coating. Many epoxy coatings exert significant shear stress on the substrate as the strong epoxy film shrinks while curing/drying. This stress can cause the bond of the joint compound to fail, resulting in delamination problems.

PREPARATION

Position and apply USG Sheetrock® Brand Gypsum Panels in accordance with manufacturer's recommendations. In cold weather and during gypsum panel joint finishing, temperatures within the building shall be maintained at a minimum of 55°F (13°C). Adequate ventilation shall be provided to carry off excess moisture.

Prior to application, all gypsum panels shall be free of dirt, oil or other foreign matter to ensure proper bond of joint compounds.

Before applying joint compound, store at 55-95°F (13-35°C) for 24 hours. Remix contents before use. When taping and finishing joint, thinning with water may improve application. Add clean water in half-pint increments, remix and trial apply until preferred consistency is reached. Over-dilution causes abnormal shrinkage, poor bond and other negative effects. Do not mix with any other material.

APPLICATION

Cover joint with a thin layer of compound and embed paper tape, leaving about 1/32 in. of compound under feathered edge. Let dry. Apply second coat, feathering approximately 2 in. beyond first coat. Let dry, then dry trowel/scrape or sand lightly to remove tool marks as required, and then apply third coat, feathering 2 in. beyond second coat. Sand lightly as required when dry. Finish fastener heads, corner bead and inside corners as required with at least three coats of joint compound, feathered out onto panel faces and finished to a smooth surface.

Proper concealment (joints, fasteners, trims): Using fill and finish coats of joint compound to properly conceal gypsum panel joints, fasteners and trim accessories makes it impossible to achieve a flat plane on a finished surface. However, a properly finished gypsum panel wall can minimize the appearance of joints, fasteners and trims. Its visual and aesthetic qualities help disguise the panel seams and points of fastener/trim installation from being easily visible across the substrate surface.

Finishing and properly concealing joints and fasteners rely on two techniques: (1) using graduated arcs to prevent recesses or ridges, and (2) not applying joint compound flush or flat to the panel surface. Recesses or ridges can result in distinct shadows in critical light or other adverse visual conditions. Applying joint compound flush or flat to the surface does not properly conceal the panel and increases the likelihood of joints and fasteners showing through the decorated finish.

For more information, refer to USG literature *Finishing & Decorating Gypsum Panels* (J2010).

DECORATION

For priming and decorating with paint, texture or wallcovering, follow manufacturer's directions for materials used. All surfaces, including applied joint compound, must be thoroughly dry, dust free and not glossy before decorating.

Drywall Primer: A priming material applied over the entire prepared gypsum panel surface prior to decoration. The priming material must be suitable for the substrate and applied as recommended by the coating manufacturer. Where final appearance is critical, the application of a flat drywall primer with high pigment solids tends to minimize most decorating problems.

A prime coat of USG Sheetrock® Brand First Coat™ Primer or a good quality interior latex flat wall paint with a high pigment solids content should be applied undiluted and allowed to dry before decoration. Walls to be covered with wallpaper or vinyl wallcovering should have the surface treated per the wallcovering manufacturer's recommendation.

USG Sheetrock® Brand ready-mix joint compound products can be used in a skim coat operation when properly prepared as a skim coating material. Refer to USG literature *Finishing & Decorating Gypsum Panels* (J2010) for information regarding skim coating with USG Sheetrock® Brand ready-mix joint compounds.

Factors not covered in this publication may also affect the finished appearance of any surface.

PRODUCT DATA

Type: A ready mix drying type joint compound

Use: Hand or mechanical tool application.

Coverage: Approximately 10 gal./1,000 sq. ft. (37.8 L/100 sq. m) of gypsum panels.

Compliance with Standards: Meets ASTM C475, *Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board*.

Storage: Store at 55-95°F (13-35°C) in a dry location. Protect from freezing, extreme heat and exposure to direct sunlight. Keep container tightly sealed. Do not use if material is discolored or has an unpleasant odor.

Shelf life: Up to nine months from date of manufacture under proper storage conditions. Check production date codes periodically. Rotate stock on first-in, first-out basis.

Packaging: 4.5 gal. pail, 3.5 gal. carton and 4.5 gal. carton. Packaging size availability may vary by market.

Cleanup: Wash tools with warm, soapy water, and wipe dry to prevent rusting.

Low VOC Content: 2 g/L

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg

CAUTION

Dust from sanding may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Use a sander with vacuum attachment or wet-sanding to reduce dust. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed or irritation persists, call a physician. Prolonged or repeated breathing of respirable mica dust may cause lung disease (pneumoconiosis). Keep containers closed when not in use. For more information call Product Safety: 800 507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

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NOTICE

USG warrants that its joint treatment products are free from defects in material and workmanship at the time of manufacture. USG shall not be liable if any loss or damage was caused by improper storage of the products, or if the products were not used and applied according to USG's current printed directions and specifications including, with respect to using joint compound for a skim coat, USG literature *Finishing and Decorating Gypsum Panels* (J2010). USG's liability for defective goods is expressly limited to replacement or, at USG's election, to repayment of the purchase price. USG shall not be liable for incidental, consequential or special damages. For further details see USG's standard limited warranty at usg.com. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered. For full terms and conditions, please visit usg.com

SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installing of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read SDS and related literature on products before specification and/or installation.



FROZEN MATERIAL GUIDELINES¹

1. In the event the material is frozen, allow it to thaw completely.
2. Do not apply any form of heat to container.
3. Open the container carefully to prevent spilling any separated liquid. This is not water and must be remixed into the compound.
4. Do not add water until the material is remixed. Once the material remixes to a smooth, lump-free consistency, water may be added per USG recommendations to obtain the desired working properties. Do not use if the material is not smooth or lump free after remixing.

Note:

1. For more information, refer to USG literature *USG Sheetrock® Brand Ready-Mix Joint Compound Frozen Material Guidelines* (J2155).

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

800.USG.4YOU
800 (874-4968)
usg.com

Manufactured for
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

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USG MOULDING PLASTER

GYP SUM, OH

DESCRIPTION

USG Moulding Plaster is a high purity general purpose plaster that can be used in a wide variety of applications including architectural ornamentation. The physical properties can be varied depending upon the desired end use, while the use consistency can vary from a practical range of 45 lbs. water/100 lbs. of plaster (20 kg water/45 kg plaster) to as high as 100 lbs. water/100 lbs. of plaster (45 kg water/45 kg plaster).

USG Moulding Plaster is noncombustible. With a coefficient of thermal conductivity (k) of 0.25 to 4.0 depending on density and additives, USG Moulding Plaster can help to provide a high degree of fire resistance. When dry, USG Moulding Plaster is electrically nonconductive and makes a good insulating medium.

Please contact your local USG Sales Representative for further assistance for specific use information.

TYPICAL PHYSICAL PROPERTIES

Normal Consistency	58 - 66 lbs. water/100 lbs. product (26 - 30 kg water/45 kg product)
Hand Mix Vicat Set, Range	25 - 45 minutes
% Passing — 50 mesh	99% - 100%
% Passing — 100 mesh	98% - 100%
Compressive Strength, Dry	1500 psi (10.3 MPa)
% Expansion	0.15% - 0.20%

NOTE: The *Typical Physical Properties* in the above table were achieved under controlled laboratory conditions with freshly produced material, results may vary.

MIXING INSTRUCTIONS

MIX PREPARATION

Use potable water at temperatures between 70 °F (21 °C) and 100 °F (38 °C). Because variations in slurry (USG Moulding Plaster and water mixture) temperature produce variations in set time, it is important to keep both the USG Moulding Plaster and water in a stable temperature environment prior to use. The higher the temperature of the slurry, the shorter the set time. Conversely, the lower the temperature of the slurry, the longer the set time.

Weigh both the USG Moulding Plaster and the water prior to use for each mix. The water-to-USG Moulding Plaster ratio is critical because it governs the strength and the density of the final cast.

SOAKING

Sift or strew USG Moulding Plaster into the water slowly and evenly. Do not drop large amounts of USG Moulding Plaster directly into the water as proper soaking of the USG Moulding Plaster may not occur. USG Moulding Plaster should be fully dispersed in the water prior to mixing. Small batches require less soaking time than large batches. See USG IG503 *Plaster Mixing Procedures* for specific soaking instructions.

MIXING

Mixing USG Moulding Plaster slurry is one of the most important steps in producing USG Moulding Plaster casts with maximum strength, absorption, hardness and other important properties.

Mechanically mixed slurries develop uniform casts with optimal strengths. USG Moulding Plaster can be mechanically mixed through both batch and continuous processes. Proper blade and bucket dimensions are important for obtaining the best batch mix (see USG IG503 *Plaster Mixing Procedures* for details).

Longer mixing times result in higher mold strength and shorter set times.

POURING

To prevent air entrainment and provide a uniform, smooth surface, careful pouring of USG Moulding Plaster slurry is necessary. Agitation/vibration of the filled mold is a further step used to prevent air at or near the mold surface. Whenever possible, USG Moulding Plaster slurry should be poured carefully in the deepest area so that the slurry flows evenly across the surface of the case mold.

Pouring a large amount of slurry directly on the face of the case mold may result in slight densification of the USG Moulding Plaster mold at the point where it strikes the surface of the case. This produces a hard spot, giving uneven absorption.

DRYING

All casts should be dried as quickly as is safely possible after manufacture so that maximum physical properties can develop. Dry to a constant weight.

The best drying rooms or ovens provide 1) uniform and rapid circulation (minimum of 15-30 fps (4.6-9.1 mps)) of air with no "dead spots" having little or no air movement, 2) equal temperatures throughout the entire area, and 3) provisions for exhausting a portion of the air while replacing it with fresh air. High humidity surrounding the drying room or oven inhibits drying efficiency because the air pulled into the room is incapable of picking up much moisture from the molds.

The maximum temperature at which USG Moulding Plaster molds are safe from calcination is 120 °F (49 °C). With substantial free water in the mold, a higher drying temperature can be used without difficulty. As drying progresses, the temperature must be reduced to prevent calcination. Before removing molds from the dryer, the temperature should approach that of the area around the dryer to prevent thermal shock. See IG502 *Drying Plaster Casts* for additional information.

STORAGE AND USE

When properly used, USG Moulding Plaster is easy to work with and complies with the federal Labeling of Hazardous Art Materials Act, 12 U.S.C. Section 1277 and ASTM D4236. Keep indoors at temperatures between 65 °F - 75 °F (18 °C - 24 °C) and 45% - 55% RH. Do not stack more than two pallets high. Keep from drafts. Rotate stock. USG Moulding Plaster should be used within 6 months of the manufacturing date located on the package. Always follow handling and use directions and safety warnings on the package.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

CAUTION

When mixed with water, this material hardens and becomes very hot sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If on skin: Wash with plenty of water. If swallowed and/or irritation persists, call physician. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTICE

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instruction or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

800 USG.4YOU
800 (874.4968)
usg.com

Manufactured by
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

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1. Identification

Product identifier USG® Moulding Plaster

Other means of identification

SDS number 52000000089

Synonyms Plaster

Recommended use Construction plaster.

Recommended restrictions Use in accordance with manufacturer's recommendations.

Manufacturer / Importer / Supplier / Distributor information

Company name United States Gypsum Company

Address 550 West Adams Street
Chicago, Illinois 60661-3637

Telephone 1-800-874-4968

Website www.usg.com

Emergency phone number 1-800-507-8899

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Carcinogenicity Category 1A

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement May cause cancer.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response If exposed or concerned: Get medical advice/attention.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information

Not applicable.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1)	26499-65-0	>95

Impurities

Chemical name	CAS number	%
Crystalline silica (Quartz)	14808-60-7	<0.5

Composition comments

All concentrations are in percent by weight unless ingredient is a gas.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 0.5%. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing.

4. First-aid measures

Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

Skin contact

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion

Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking gelatin solutions or large volumes of water may delay setting.

Most important symptoms/effects, acute and delayed

Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate throat and respiratory system and cause coughing.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Not applicable.

Specific hazards arising from the chemical

Not a fire hazard.

Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials.

Specific methods

Cool material exposed to heat with water spray and remove it if no risk is involved.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up

Vacuum up the spilled material. Vacuums used for this purpose should be equipped with HEPA filters. Containers must be labeled. Collect in approved containers and seal securely. For waste disposal, see Section 13 of the SDS.

Environmental precautions

Avoid discharge to drains, sewers, and other water systems.

7. Handling and storage

Precautions for safe handling

Minimize dust production when mixing, or opening and closing bags. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact with acids, water, and moisture.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.3 mg/m ³	Total dust.
		0.1 mg/m ³	Respirable.
		2.4 mppcf	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	10 mg/m ³	Inhalable fraction.
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.025 mg/m ³	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	TWA	5 mg/m ³	Respirable.
Impurities	Type	Value	Form
Crystalline silica (Quartz) (CAS 14808-60-7)	TWA	0.05 mg/m ³	Respirable dust.
		10 mg/m ³	Total

Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear approved safety goggles.
Skin protection	
Hand protection	Wear protective gloves.
Other	Normal work clothing (long sleeved shirts and long pants) is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.
Thermal hazards	None.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Powder.
Color	White to off-white.
Odor	Low to no odor.
Odor threshold	Not applicable.
pH	6 - 8
Melting point/freezing point	Not applicable.
Initial boiling point and boiling range	Not applicable.

Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not applicable.
Flammability limit - upper (%)	Not applicable.
Explosive limit - lower (%)	Not applicable.
Explosive limit - upper (%)	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	2.96
Solubility(ies)	
Solubility (water)	0.15 - 0.4
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition temperature	2642 °F (1450 °C)
Viscosity	Not applicable.
Other information	
Bulk density	55 - 70 lb/ft ³
VOC (Weight %)	0 g/l

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Contact with incompatible materials. Exposure to moisture. When mixed with water this product can become very hot. Encasing or making moulds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.
Incompatible materials	Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat. Crystalline silica in contact with powerful oxidizing agents, such as fluorine, chlorine trifluoride and oxygen difluoride, may cause fires. Crystalline silica will dissolve in hydrofluoric acid and produce a corrosive gas, silicon tetrafluoride.
Hazardous decomposition products	Calcium oxides. Sulfur oxides. Magnesium oxides.

11. Toxicological information

Information on likely routes of exposure	
Ingestion	May cause discomfort if swallowed.
Inhalation	Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer.
Skin contact	Under normal conditions of intended use, this product does not pose a skin hazard.
Eye contact	Direct contact with airborne particulates may cause temporary irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.
Information on toxicological effects	
Acute toxicity	Not expected to be a hazard under normal conditions of intended use.
Skin corrosion/irritation	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	Not a skin sensitizer. Plaster of Paris has displayed little sensitization potential.

Germ cell mutagenicity	Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Repeated and prolonged exposure to high levels of respirable crystalline silica may cause cancer.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Crystalline silica (Quartz) (CAS 14808-60-7)	1 Carcinogenic to humans.
NTP Report on Carcinogens	
Crystalline silica (Quartz) (CAS 14808-60-7)	Known To Be Human Carcinogen.
Reproductive toxicity	Not expected to be a reproductive hazard.
Specific target organ toxicity - single exposure	No data available, but none expected.
Specific target organ toxicity - repeated exposure	Not classified. For detailed information, see section 16.
Aspiration hazard	Due to the physical form of the product it is not an aspiration hazard.
Chronic effects	Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

12. Ecological information

Ecotoxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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Components	Species	Test Results
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)		
Aquatic		
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>) > 1970 mg/l, 96 hours
Persistence and degradability	Calcium sulfate dissolves in water forming calcium and sulfate ions.	
Bioaccumulative potential	Bioaccumulation is not expected.	
Mobility in soil	No data available.	
Other adverse effects	None expected.	

13. Disposal considerations

Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of in accordance with local regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Crystalline silica (Quartz) (CAS 14808-60-7)
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

US. New Jersey Worker and Community Right-to-Know Act

Crystalline silica (Quartz) (CAS 14808-60-7)
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

US. Pennsylvania Worker and Community Right-to-Know Law

Crystalline silica (Quartz) (CAS 14808-60-7)
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Crystalline silica (Quartz) (CAS 14808-60-7)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 01-April-2014
Revision date -
Version # 01

Further information

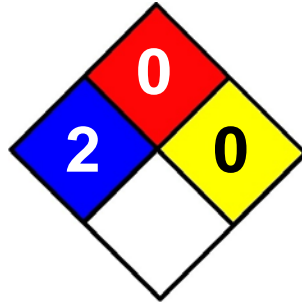
Crystalline silica: Raw materials in this product may contain respirable crystalline silica. Exposures to respirable crystalline silica are not expected during the normal use of this product. However, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.

Plaster of Paris: Is classified as a hazardous substance but is generally considered a safe material for routine use. When plaster of Paris is used responsibly it is not considered as a dangerous material. However, when mixed with water this product can become very hot. DO NOT attempt to make a cast enclosing any part of the body. Encasing any body part can cause serious burns and even amputation of the encased body part.

NFPA Ratings:
Health: 2
Flammability: 0
Physical hazard: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA Ratings



Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.