

AMHERST COUNTY

REQUEST FOR BIDS

NUMBER 16517

FOR

INTERIOR PAINTING AT

ELON ELEMENTARY SCHOOL

PREPARED BY:

AMHERST COUNTY PURCHASING OFFICE

BID ISSUING DATE: APRIL 16, 2024

BID CLOSING DATE: 2:00 P.M., MAY 13, 2024

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The Amherst County Public Schools will accept sealed bids until, but no later than 2:00 p.m. May 13, 2024 for interior painting at the Elon Elementary School.

1.0 GENERAL INFORMATION

Bids are requested from qualified firms for interior painting and related preparations at the Elon Elementary School, located at 147 Younger Drive, Madison Heights, VA 24572.

2.0 SPECIFICATIONS FOR WORK TO BE PERFORMED

- 2.1 Product and paint preparation and application specifications are attached to this document as, Exhibit “A”. A description of areas to be painted is attached as Exhibit “B”.
- 2.2 Bids will be considered for paint products comparable to those specified in this bid request. If bidding comparable products, please provide product name, specifications, material safety data sheets and application specifications on or with the Bid Form Section 13.3 in adequate detail to provide evidence of comparability to those provided in this document.
- 2.3 A site visit will be scheduled as part of a mandatory pre-bid meeting. A map of the building, detailing all areas to be painted will be provided to attendees of the pre-bid meeting. Paint specifications, preparation, application and areas to be painted will be shown and discussed at the pre-bid meeting. The schedule for work will also be discussed and a school calendar provided.
- 2.4 Work Schedule: All work for this project needs to be performed during evenings, week-ends, holidays and school breaks; and shall be completed by June 30, 2024. A school calendar will be provided to attendees of the mandatory pre-bid meeting.
- 2.5 Contractor shall be responsible for moving of furniture, computers, etc. School employees will disconnect computer equipment.
- 2.6 All work shall be performed in a clean, neat manner so as not to allow paint to adhere to floor surfaces, ceilings, trim, or any materials other than to which it was intended to be applied.
- 2.7 The successful bidder shall be responsible for the provision of all necessary materials, equipment and labor necessary for a completed project.
- 2.8 The successful bidder shall provide evidence of a minimum, current Class “A” Virginia Contractor’s license.
- 2.9 The successful bidder shall be responsible for any damage to adjacent properties of any kind as a result of “overspray” or any other work-related activities. The bidder shall be responsible to perform all work activities in a safe manner to protect its

workers, as well as, employees of the buildings being painted, and public visitors. Reasonable notice shall be provided to the appropriate County officials (contact information will be provided) of access or other walkway closings. Proper signage shall be provided, as appropriate, to ensure safety of all persons utilizing facilities near work areas.

- 2.10 The successful bidder shall provide all work activities in conformance with “OSHA” regulations.
- 2.11 All work for this project shall be completed by midnight, June 30, 2024. The contractor shall be subject to a \$500.⁰⁰ per day penalty for each day after June 30, 2024 that any of the specified painting is not complete. The only justification for extensions of this date that will be considered are, unforeseen instances in which the facility would not be available to the successful bidder for the performance of work during the times described in Section 2.5 of this document.

3.0 PRE-BID MEETING

There is a **mandatory pre-bid meeting scheduled for 7:00 AM, April 29, 2024.** Prospective bidders should meet at the front main entrance of the Elon Elementary, located at 147 Younger Drive, Madison Heights, VA 24572. The specifications and schedule will be discussed, questions answered and a tour of the work areas provided. If directions are needed, please contact the Amherst County Purchasing Office at 434-946-9308.

Bids will only be accepted from firms represented at the pre-bid meeting.

4.0 CONTRACTUAL ARRANGEMENTS

Amherst County intends to contract all work for this project with one (1) firm. The County will issue a purchase order to the successful bidder for the bid, which will also incorporate the bid specifications and the bid submitted by the successful bidder. Work activities may commence after the provision of the acceptable bond documentation and insurance certification by the successful bidder and notice to proceed issued by the County.

Monthly progress invoices will be considered upon the satisfactory completion of components of the total project, job acceptance by the County and submission of an itemized invoice for the work completed. Invoice processing may take up to 30 days.

5.0 BOND REQUIREMENTS

The successful bidder shall provide a performance bond in the name of Amherst County School Board, in the sum of the total contract amount, conditioned upon the faithful performance of the contract, in strict conformity with the plans, specifications and conditions of the contract, including project completion requirements and workmanship described in the invitation for bids.

In lieu of a performance bond, a bidder may furnish a certified check or checks, cashier's check(s) or cash escrow(s) in the face amount required for the bond. If providing the performance bond alternatives of either certified or cashier's checks, the County may accept two separate checks, each for 50% of the total project amount. One of the checks may be released at satisfactory completion of at least 50% of the project work and the second check released at satisfactory project completion.

In the event of an "Act of God", such as death by the contract owner, prior to contract commencement, bond requirements will not be pursued by the County.

6.0 BID ISSUING AND CLOSING DATES

6.1 Bid Issuing Date: April 16, 2024

6.2 Bid Closing Date: 2:00 p.m. May 13, 2024

7.0 CONTACT PERSON

7.1 For questions concerning buildings or work to be performed, contact:

Gary Roakes, Director of Maintenance and Facilities
Telephone: 434-946-9709
Cell Phone: 434-841-4279
E-mail: groakes@amherst.k12.va.us

7.2 For questions related to the procurement process, contact:

Melissa Woodard
Amherst County Purchasing Office
P O Box 390
Amherst, VA 24521
Telephone: 434-946-9308
E-mail: mdwoodward@countyofamherst.com

8.0 BID SUBMISSION

8.1 Each bid must be submitted to the Amherst County Purchasing Office, 153 Washington Street, P O Box 390, Amherst VA 24521 in a sealed envelope or package and marked: **SEALED BID NUMBER 16517, DO NOT OPEN**, no later than 2:00 PM May 13, 2024.

8.2 No bids will be accepted after the bid closing date. The date of postmark will not be considered.

- 8.3 Bids may be withdrawn by written request from the proposer to the County Purchasing Agent prior to the bid closing date.
- 8.4 The Bid Form Section 13.0 of this document has spaces to provide cost options, project completion time, warranty information, reference and product information, addendum acknowledgement and signature section. If all of the requested information is not provided, your bid may be deemed non-responsive.

9.0 INSURANCE REQUIREMENTS

The contractor shall procure, maintain, and provide proof of insurance coverages for injuries to persons and/or property damage as may arise from or in connection with the work performed on behalf of Amherst County by the contractor, his agents, representatives, employees, or sub-contractors. Such coverages shall be maintained by the contractor for the duration of the contract period.

9.1 Minimum Coverage and Limits:

- 1. General Liability: \$1,000,000 combined single limits per occurrence.
- 2. Workman's Compensation: As required by the Worker's Compensation Act of Virginia.
- 3. Automobile Liability: \$1,000,000 per occurrence.

9.2 All Coverage

- 1. The insurer shall agree to waive all rights of subrogation against Amherst County, its' officers/officials, agents, employees, and volunteers for losses arising from work performed by the contractor.
- 2. The insurer shall provide 30 days written notice to Amherst County before any cancellation, suspension, or void of any coverage in whole or in part where such provision is reasonable.

9.3 Verification of Coverage

The contractor shall furnish Amherst County certificates of insurance with endorsements affecting coverage. The certificates and endorsements are to be signed by a person authorized by the insurance company to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the County before commencement of work by the contractor.

9.4 Sub-Contractors

All coverages for sub-contractors of the contractor shall be subject to all of the requirements stated herein.

10.0 GENERAL CONDITIONS

- 10.1 It is the responsibility of the bidder to inquire about and clarify any requirements of this Request for Bids that is not understood.
- 10.2 Any information relative to interpretation of these specifications shall be requested in writing to the Amherst County Purchasing Office within five (5) working days of the date set for the opening of bids.
- 10.3 Any interpretation made to a prospective bidder will be expressed in the form of an addendum to the specifications which will be sent to all prospective bidders no later than three (3) working days before the date set for bid opening. Oral answers will not be authoritative.
- 10.4 No protests regarding the validity or appropriateness of the specifications or of the request for bids will be considered, unless the protest is filed in writing with the County Purchasing Agent prior to the closing date for bids.
- 10.5 Each Service Company, by the submission of a bid, agrees to each term and condition herein set forth and certifies that it meets each criterion in the Invitation package and agrees to be bound thereby.
- 10.6 Any bid which is incomplete, conditional or obscure, or which contains irregularities of any kind, may be cause for rejection.
- 10.7 For the protection of the Amherst County Schools, the right is reserved to accept or reject any or all bids, to consider the competency and responsiveness of all Service Companies, and to use any information deemed necessary to establish the ability of any Service Company to satisfactorily perform all conditions of the agreement.
- 10.8 The service provider shall provide evidence of a current business license, as required.
- 10.9 During the performance of this contract, the contractor agrees as follows:
 - A. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, or national origin, age, disability or any other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

- B. The contractor in all solicitations or advertisements for employees placed by or on behalf of the contractor will state that such contractor is an equal opportunity employer.
- C. Notices, advertisements, and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- D. The Contractor will include the provisions of the foregoing paragraphs A, B, and C in every sub-contract or purchase order over \$10,000 so that the provisions will be binding upon each sub-contractor or vendor.

10.10 Drug-Free Workplace

During the performance of this contract, the contractor agrees to:

- A. Provide a drug-free workplace for the contractor's employees.
- B. Post in conspicuous places available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession or use of a controlled substance or marijuana is prohibited in the contractor's workplace, and specifying the actions that will be taken against employees for violations of such prohibitions.
- C. State in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace.
- D. Include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000 so that the provisions will be binding upon each subcontractor or vendor.
- E. For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a contractor in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of this contract.

10.11 Payment and Interest

- A. Contractor shall take one of the two following actions within seven days after receipt of amounts paid to him by the County for work performed by a subcontractor under the Agreement:

1. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under the Agreement; or
 2. Notify the County and subcontractor, in writing, of his intention to withhold all or a part of the subcontractor's payment and the reason for nonpayment.
- B. Contractor shall pay interest to the subcontractor on all amounts owed by Contractor that remain unpaid after seven days following receipt by Contractor of payment from the Schools for work performed by the subcontractor under the Agreement, except for amounts withheld as allowed in subsection A.
- C. Unless otherwise provided under the terms of this Agreement, interest shall accrue at the rate of one percent per month.
- D. Contractor shall include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.
- E. Contractor's obligation to pay an interest charge to a subcontractor pursuant to the payment clause in this section shall not be construed to be an obligation of the state agency or agency of local government. No modification to this Agreement shall be made for the purpose of providing reimbursement for the interest charge. A cost reimbursement claim shall not include any amount for reimbursement for the interest charge.
- F. Contractor shall provide its federal employer identification number if a proprietorship, partnership, or corporation.

10.12 Standards of Contract

The Owner reserves the right to cancel and terminate a contract at any time, without penalty, for unsatisfactory product quality and/or service on the part of the contract holder, in the sole judgment of the Owner, or when Owner determines the cancellation to be in the best interest of the Owner. Repeated delayed or partial deliveries and returns for inadequate, damaged, or spoiled products shall be interpreted as failure to meet contractual obligations and may cause cancellation of the contract. Upon receipt of notice of termination, the Contractor shall cease all deliveries or services unless advised by the Owner to do otherwise. In the event of termination, the contractor shall be compensated for those deliveries or services provided to the satisfaction of the Owner as of the date of termination.

- 10.13 By submission of a bid, contractor acknowledges it has had the opportunity to raise any questions which they might have had about the solicitation.

10.14 Non-discrimination Statement

In accordance with the Code of Virginia §2.2-4310 and §2.2-4343.1, this public body does not discriminate against faith-based organizations or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

10.15 Modification

Any term or provision submitted as part of your response that in any way attempts to change or modify the term of the contract documents or these contract terms, conditions, and instructions shall be ineffectual, null and void. In addition, Amherst County Schools may declare a bid that attempts to do so unresponsive and disqualified, in its sole discretion. In lieu of declaring the bid or response disqualified, the Schools shall consider the modifications null and of no effect.

10.16 Assignment

The contractor shall not assign this agreement without the prior written consent of the Amherst County Schools.

10.17 Applicable Laws and Venue

Any contract resulting from any solicitation shall be governed by the laws of the Commonwealth of Virginia. Venue for any litigation arising from a solicitation or resulting contract shall be proper only in Amherst County General District Court or Amherst County Circuit Court. The Schools do not agree to arbitration.

10.18 Warranties

All goods and services must be warranted to be Merchantable, fit for usual and ordinary purposes, and to meet usual, ordinary and expected standards.

10.19 Taxes

Amherst County is tax exempt and will not contract to pay taxes. Any such provision is void and not accepted.

10.20 Compliance With Laws

The Contractor shall comply with all applicable federal, state and local laws.

10.21 Availability of Funds

Award and contract are conditioned upon appropriation and availability of funds from year to year. If sufficient appropriation and funding is not available, in the

sole judgment of the Schools, the Schools may terminate the contract without penalty, cost, or damage payment.

10.22 License

If in a business or profession required to be licensed by the Commonwealth of Virginia, you must provide your state contractor's or professional certificate number.

10.23 Indemnity

The contractor shall indemnify and hold harmless the Amherst County School Board, its officers, boards, commissions, agents and employees against any and all claims, demands, causes of action, suits, proceedings, damages, costs or liabilities (including costs or liabilities of the Amherst County School Board with respect to its employees), of every kind and nature whatsoever, including, but not limited to, damages for injury or death or damages to person or property, regardless of the merit of any of the same, including any attorney fees, accountant fees, expert witness or consultant fees, court costs, per diem, expense traveling and transportation expense, or other costs or expense arising out of or pertaining to the performance of the Agreement by contractor unless resulting from the sole negligence of the Amherst County School Board or its officers, boards, commissions, agents or employees.

In any litigation between the parties the contractor shall be responsible for and pay any and all expenses, including reasonable attorney fees, incurred by the Amherst County School Board if the outcome of the litigation is not unfavorable to the Amherst County School Board.

10.24 Payment Terms

Unless otherwise provided in the solicitation, payment will be made thirty (30) days after receipt of a proper invoice, or thirty (30) days after receipt of all goods or acceptance or work, whichever is later. No interest, late charges, or attorney fees will be paid under any circumstances by the School Board.

10.25 Claim of Breach

In the event Contractor alleges or claims that Owner is in breach of any provision of the contract the Contractor shall first give notice of the claimed breach to Amherst County Schools in writing with all details. Copy of the claim shall be sent to the law offices of Overbey, Hawkins, Selz & Wright, P O 38 Rustburg, VA 24588, Attention: A. David Hawkins. The Schools shall have 30 days to correct any non-performance without penalty. If no agreement is reached or non-performance/breach continues after 30 days from receipt of the written notice the

Claim Procedure set out herein shall be followed. Failure to follow the terms hereof shall result in waiver and release of the claim by contractor.

10.26 Claims Procedure

Contractual claims must be submitted to the Amherst County School Board in writing no later than ten (10) days after the time of occurrence of events upon which the claim is based. The claim shall state that it is a formal claim and provide all facts or justifications with supporting documentation. The Board will consider all facts provided to it in a format established by the Board and render a decision within sixty (60) days of receipt of the claim. Failure to act by the Board shall operate to relieve the contractor from the claims procedure and allow the contractor to file suit for relief.

10.27 Severability

In the event that any provision of this document shall be adjudged or decreed to be invalid, such ruling shall not invalidate the entire contract but shall pertain only to the provision in question and the remaining provisions shall continue to be valid, binding, and in full force and effect.

10.28 Required Terms

The terms herein are required to be a part of any contract with the Amherst County Schools, any school, division, or contract relating to Amherst County Schools. Any contractor who receives this document and chooses to offer goods or services agrees to be bound by these terms. Any term of any contract that attempts to in any way modify any term hereof is void and of no effect unless approved by the school board attorney.

10.29 It is a policy of the Amherst County School Board that tobacco products will not be used on School Board Property. By submission of a bid the bidder certifies their agreement to comply with this policy.

10.30 It is a policy of the Amherst County School Board that guns are not allowed on School Property. By submission of a bid the bidder certifies that no employee will bring a gun or guns onto Amherst County School Property.

10.31 By submission and signing the bid document the bidder certifies:

- A. That neither he or any employee to be assigned to this project has been convicted of a felony or any offense involving the sexual molestation or physical or sexual abuse or rape of a child.
- B. That neither he or any employee to be assigned to this project has been convicted of a crime of moral turpitude.

10.32 See attachment. Each employee who will be performing work on Amherst County School property by the successful bidder shall first complete and submit this form to the Amherst County Purchasing Office.

10.33 This procurement is performed in compliance with the Virginia Public Procurement Act and the Amherst County Purchasing Manual, adopted January 5, 2021.

11.0 BID EVALUATION

11.1 Bids will be evaluated considering bidder responsiveness and responsibility, cost, project completion time, warranty, addendum acknowledgement, references, experience, and paint products.

11.2 Notice of the County's intent or decision to make bid award for this project will be posted on the Amherst County website.

12.0 NEGOTIATIONS WITH LOWEST RESPONSIBLE BIDDER

If the bid from the lowest responsive and responsible bidder exceeds available funds, the County will follow its process set forth in its procurement policy Regulation 7, Section 18.0, Pursuant to Virginia Code Section 2.2 – 4318.

13.0 BID FORM

- 13.1 Please state your total bid price, including all specified areas in accordance with all requirements of this Bid Request.

\$ _____

- 13.2 By placing my signature on this bid I certify my understanding of the project work scheduling and completion requirements.

- 13.3 If bidding comparable products to those specified in this bid request, please provide product name, specifications, material safety data sheets and application specifications, as described in Section 2.2 of this bid request.

- 13.4 Please describe your warranty for all materials and labor provided for in this bid request:

- 13.5 Please list at least three (3) references with contact names and phone numbers for which you have provided similar painting services as specified in this bid request:

- 13.6 Please acknowledge receipt of Addendum notices that may be issued as a result of this bid request:

Addendum # 1 _____
Addendum # 2 _____
Addendum # 3 _____

My signature below certifies that I agree to abide by all conditions of this bid and that I am authorized to sign this bid for the bidding company.

BID BY: _____ **(Signature)**

BID BY: _____ **(Print)**

TITLE: _____

COMPANY: _____

MAILING ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE: _____ **FAX:** _____

EMAIL: _____

CERTIFICATION OF CONTRACTOR/EMPLOYEE

Full Name of Contractor: _____

Full Name of Employee: _____

As required by Section 22.1- 296.1 of the Code of Virginia, the undersigned hereby certifies as follows:

- (i) _____ that I have not been convicted of a felony or any offense involving the sexual molestation, physical or sexual abuse or rape of a child.
- _____ that I have been convicted of a felony or any offense involving the sexual molestation, physical or sexual abuse or rape of a child.

and

- (ii) _____ that I have not been convicted of a crime of moral turpitude.
- _____ that I have been convicted of a crime of moral turpitude.

I further understand that if I make a materially false statement regarding any of the above offenses, I will be guilty of a Class 1 misdemeanor.

If you checked the box indicating that you have been convicted of a crime of moral turpitude, list the nature of the crime and the date and court of conviction below:

Nature of CrimeDateCourt of Conviction

Date: _____

Name of Employee

Signature of Employee

Date: _____

Name of Contractor

Signature of Contractor

Return completed document to:

Melissa Woodard
Amherst County Purchasing Office
P.O. Box 390
Amherst, VA 24521



AMHERST COUNTY SCHOOL BOARD
Elon Elementary - Interior Repaint
April 12, 2024

Interior Finishes

Walls

Prep/Clean: 100245026 - M1 GLOSS REMOVER GL

Notes: Wipe all walls from 5 ft down to remove contaminants.

2 Coats: S26W00151 - SCUFF TUFF SG EW

Door Frames

Prep/Clean: 100245026 - M1 GLOSS REMOVER GL

Notes: Wipe down all surfaces to remove contaminants

2 Coats: B53W02151 - PI WB ALK UR SG EW

Notes: Color to be determined



SHERWIN-WILLIAMS®

Reference Pages

Data Pages


**SHERWIN
WILLIAMS.**

Scuff Tuff®

Interior Waterbased Enamel Semi-Gloss

S26-150 Series

CHARACTERISTICS

Scuff Tuff® Interior Waterbased Enamel Semi-Gloss For applications that require greater durability and abrasion resistance than standard architectural coatings, **Scuff Tuff** is tough enough to handle it. Formulated to withstand the abuse common to many interior applications, the super durable finish resists scuffs and scratches and minimizes burnishing despite frequent washing.

Scuff Tuff Interior Waterbased Enamel is for Residential, Commercial, Healthcare or Light Industrial projects that require greater durability and abrasion resistance. Use on properly prepared Metals, Drywall, Wood, Cured Plaster, Concrete and Masonry and previously painted surfaces.

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, 1.4 mils dry

Drying Time, @ 77°F, (25°C) 50% RH:

Touch: 2 Hours
Recoat: 4 Hours

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

Finish: 20-35 units @ 60°

Tinting with CCE only:

Base:	oz. per gallon:	Strength:
Extra White	0-7	SherColor
Deep	4-14	SherColor
Ultra Deep	10-14	SherColor

Extra White S26W00151

(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: 34 ±2%

Weight Solids: 49 ±2%

Weight per Gallon: 10.47 lbs (4.75 kg)

Flash Point: N.A.

Vehicle Type: Cross-linking Proprietary Polymer

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 2/20/2024, 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	No
MIR-Manufacturer Inventory	No
MPI®	Yes

APPLICATION

Apply at temperatures above 50°F (10°C).
No reduction needed.

Brush:
Use a nylon-polyester brush.

Roller:
Use a 1/4 to 1/2 inch nap nylon-polyester cover.

For specific brushes and rollers, please refer to our Brush and Roller Guide found on the Sherwin-Williams web site.

Spray - Airless:
Pressure 2000 p.s.i.
Tip .013-.017 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 can help where hiding of a previous coating or application to new drywall 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

Aluminum, Galvanized & Steel:

1 coat All Surface Enamel Latex Primer
2 coats Scuff Tuff Interior Enamel

Block:

1 coat Loxon Acrylic Block Surfer
2 coats Scuff Tuff Interior Enamel

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Scuff Tuff Interior Enamel

Masonry, Cement:

1 coat Loxon Concrete and Masonry Primer
2 coats Scuff Tuff Interior Enamel

Plaster:

1 coat Loxon Concrete and Masonry Primer
2 coats Scuff Tuff Interior Enamel

Wood:

1 coat Premium Wall & Wood Primer
2 coats Scuff Tuff Interior Enamel

Other primers may be appropriate.

Scuff Tuff®

Interior Waterbased Enamel Semi-Gloss

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting: US - National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead; Canada - your local health authority.

Remove all surface contamination by washing with a 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.

Aluminum and Galvanized Steel:

Wash to remove any oil, grease, or other surface contamination. All corrosion must be removed with sandpaper, wire brush, or other abrading method.

Caulking:

Gaps between walls, ceiling, 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 clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean 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.

Steel:

Rust and mill scale must be removed using sandpaper, wire brush, other abrading method. Bare Steel must be primed the same day as cleaned.

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 clean water. Repeat until the surface is hard, rinse with clean water and allow to dry.

Wood:

Clean the surface thoroughly then sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. All patched areas must be primed. Knots and some woods, such as redwood and cedar, contain a high amount of tannin, a colored wood extract. If applied to these bare woods, it may show some staining. If staining persists, spot prime severe areas with 1 coat of Multi-Purpose Oil-Based Primer.

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.**

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CLEANUP INFORMATION

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

Pro Industrial™**Waterbased Alkyd Urethane Enamel Semi-Gloss**

B53-2150/5150 Series

**SHERWIN
WILLIAMS.****CHARACTERISTICS**

Pro Industrial Waterbased Alkyd Urethane Enamel is a premium quality interior-exterior enamel formulated with a urethane modified alkyd resin system for high performance. It provides beauty and durability when applied to interior-exterior surfaces such as properly prepared drywall, wood, masonry, and metal. It brings together the convenience and ease of use of a waterborne coating with the performance and coating characteristics of a traditional oil-based enamel.

- Excellent washability, flow and leveling
- Excellent touch up
- Easy application & cleanup
- Resistant to yellowing compared to traditional alkyds
- Suitable for use in USDA inspected facilities

For use on properly prepared: Steel, Galvanized & Aluminum, Drywall, Concrete and Masonry, and Wood.

Finish: 50-70 units @ 60°
Color: Most Colors

Recommended Spreading Rate per coat:

Wet mils: 4.0-5.0
Dry mils: 1.4-1.7
Coverage: 320-400 sq. ft. per gallon
Theoretical Coverage: 545 sq. ft. per gallon @ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

Note: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Drying Schedule @ 4.0 mils wet, @ 50% RH:
Drying and recoat times are temperature, humidity, and film thickness dependent.

@77°F
To touch 1-2 hours
To recoat 4 hours

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-6	SherColor
Deep Base	4-12	SherColor
Ultra Deep Base	10-14	SherColor

Extra White B53W02151

(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: 34 ±2%**Weight Solids:** 51 ±2%**Weight per Gallon:** 10.93 lbs**Flash Point:** N.A.**Vehicle Type:** Urethane Modified Alkyd**Shelf Life:** 36 months, unopened**COMPLIANCE**

As of 12/11/2023, 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	No
LEED® v4 & v4.1 V.O.C.	Yes
EPD-NSF® Certified	Yes
MIR-Manufacturer Inventory	No
MPI®	No

APPLICATION

Temperature:
minimum 50°F / 10°C
maximum 100°F / 37.8°C
air, surface and material
At least 5°F above dew point

Relative humidity: 85% maximum
The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer: Water

Airless Spray:

Pressure 2000 p.s.i.
Hose ¼ inch I.D.
Tip .013-.017 inch
Filter 60 mesh

Reduction: Not recommended

Brush: Nylon-polyester
Roller Cover: 1/4-1/2 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

No painting should be done immediately after a rain or during foggy weather.

When using spray equipment, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. Apply coating evenly while maintaining a wet edge to prevent lapping.

SPECIFICATIONS**Steel:**

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Aluminum & Galvanizing:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfer
2 coats Pro Industrial Waterbased Alkyd Urethane

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer or 1 coat Loxon Conditioner
2 coats Pro Industrial Waterbased Alkyd Urethane

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Pro Industrial Waterbased Alkyd Urethane

The systems listed above are representative of the product's use, other systems may be appropriate.

Pro Industrial™

Waterbased Alkyd Urethane Enamel Semi-Gloss

SURFACE PREPARATION

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Do not use hydrocarbon solvents for cleaning.

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.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

Aluminum - Remove all oil, grease, dirt, oxide, and other foreign material per SSPC-SP1. Prime the area the same day as cleaned.

Galvanizing - Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP16 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime the area the same day as cleaned.

Concrete Block - Surface should be thoroughly clean and dry. Air, material, and surface temperatures must be at least 55°F (13°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13/Nace 6/ ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

SURFACE PREPARATION

Previously Painted Surface - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

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 clean water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with clean 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.

PERFORMANCE

System Tested: (unless otherwise indicated)

Substrate: Steel
Surface Preparation: SSPC-SP10
Finish: Pro Industrial Waterbased Alkyd Urethane @5.0 W.F.T.

Adhesion:
Method: ASTM D3359 method B
Result: 4B

Pencil Hardness:
Method: ASTM D3363
Result: 4H

Flexibility:
Method: ASTM D522, 180° bend, 1/8 inch mandrel
Result: Pass

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F

Block Resistance:
Method: Lab assessment
Result: Excellent

Resistance Yellowing:
Method: Lab assessment
Result: Excellent

No painting should be done immediately after a rain or during foggy weather.

Do not paint on wet surfaces.

Check adhesion by applying a test strip to determine the readiness for painting.

SAFETY PRECAUTIONS

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

Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

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

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 regulation.

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Safety Data Sheets

SAFETY DATA SHEET

S26W151

Section 1. Identification

Product name : Scuff Tuff Interior Waterbased Enamel Semi-Gloss
Extra White

Product code : S26W151

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: (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

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
TOXIC TO REPRODUCTION - Category 2

GHS label elements

Hazard pictograms



Signal word : Warning

Hazard statements : Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

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.

Response : IF exposed or concerned: Get medical advice or attention.

Storage : Store locked up.

Section 2. Hazards identification

- 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.
- 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
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	≤0.3	77-99-6

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.
- 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.

Section 4. First aid measures

- 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** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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** : 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. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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.

- 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
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	ACGIH TLV (United States, 1/2023). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
None.		

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

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

: 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

Section 8. Exposure controls/personal 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** : 1.26
- 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 mm²/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Heat of combustion** : 0.397 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

Product/ingredient name	Result	Species	Dose	Exposure
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	LD50 Oral	Rat	14000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	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	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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 : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Skin contact : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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 : No known significant effects or critical hazards.
Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : Suspected of damaging the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 11. Toxicological information

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	Acute LC50 >1000000 µg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 hours
	Acute EC50 13000000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - <i>Cyprinodon variegatus</i>	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	-	<1	Low

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 : 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)	-	-	-	-	-

Section 14. Transport information					
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

TSCA 5(a)2 proposed significant new use rules: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); 2-Methyl-4-isothiazolin-3-one

SARA 313

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

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

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

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	*	0
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
TOXIC TO REPRODUCTION - Category 2	Calculation method

History

Date of printing : 2/5/2024

Date of issue/Date of revision : 2/5/2024

Date of previous issue : 1/18/2024

Version : 3.01

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

Section 16. Other information

obtained from any other source.


SAFETY DATA SHEET

B53W2151

Section 1. Identification

Product name	: PRO INDUSTRIAL™ Waterbased Alkyd Urethane Semi-Gloss Extra White
Product code	: B53W2151
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: (800) 524-5979 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 TOXIC TO REPRODUCTION - Category 2
<u>GHS label elements</u>	
Hazard pictograms	: 
Signal word	: Warning
Hazard statements	: Suspected of causing cancer. Suspected of damaging fertility or the unborn child.
<u>Precautionary statements</u>	
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.
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.

Section 2. Hazards identification

Supplemental label elements

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

This product contains a TSCA regulated chemical. See Section 15 of the US SDS for 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
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	≤0.3	77-99-6

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.
- 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.
- 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.

Section 4. First aid measures

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 : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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 : Decomposition products may include the following materials:
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 TSCA regulated chemical. See Section 15 of the US SDS for 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. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. 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.

- 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
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	77-99-6	ACGIH TLV (United States, 1/2023). TWA: 2.5 mg/m ³ 8 hours. Form: respirable fraction, finescale particles None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
None.		

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

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 TSCA regulated chemical. See Section 15 of the US SDS for 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

Section 8. Exposure controls/personal 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 mm²/s (>20.5 cSt)
- Molecular weight** : Not applicable.
- Heat of combustion** : 0.77 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

Product/ingredient name	Result	Species	Dose	Exposure
2-Ethyl-2-(hydroxymethyl)-1,3-propanediol	LD50 Oral	Rat	14000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	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	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

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 : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Skin contact : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations
Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

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 : No known significant effects or critical hazards.
Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : Suspected of damaging the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 11. Toxicological information

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide 2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	Acute LC50 >1000000 µg/l Marine water	Fish - <i>Fundulus heteroclitus</i>	96 hours
	Acute EC50 13000000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 14400000 µg/l Marine water	Fish - <i>Cyprinodon variegatus</i>	96 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-Ethyl-2-(hydroxymethyl) -1,3-propanediol	-	<1	Low

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 TSCA regulated chemical. See Section 15 of the US SDS for 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	-	-	-	-	-

Section 14. Transport information

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; reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
TSCA 5(a)2 final significant new use rules: Sodium Nitrite; Chlorodiazocarbonylate

List name	Chemical name	Notes
United States - TSCA 5(a) 2 - Final significant new use rules	Sodium Nitrite	40 CFR 721.4740
United States - TSCA 5(a) 2 - Final significant new use rules	Chlorodiazocarbonylate	40 CFR 721.10414

SARA 313

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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	*	0
Flammability		0
Physical hazards		0

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Procedure used to derive the classification

Classification	Justification
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method

History

Date of printing : 11/2/2023

Date of issue/Date of revision : 11/2/2023

Date of previous issue : 9/22/2023

Version : 14

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N/A = Not available
SGG = Segregation Group
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Notice to reader

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PAINTING AT ELON ELEMENTARAY SCHOOL SUMMER 2024
DETERMINE COLORS USING PAINT SPECIFICATIONS IN BID # 16517

Classrooms and Teachers Workroom (See Floor Plan)	All Walls	
	Painted exterior wooden surfaces of built in closets	
	Wall Trim	
	Wooden trim surrounding chalk and bulletin boards	
	All wooden locker areas in 7 classrooms - 1,2,3,4,5,6,7	
	Interior doors (both sides of door & door frame) that are currently painted.	
	EXCEPTIONS:	1. Any UNPAINTED laminated veneer wooden doors
HALLWAYS	All Walls	
	Do not remove any bulletin board or strips - cut in around and paint wall	
	Wooden trim surrounding and bulletin boards	
	EXCEPTIONS:	1. DO PAINT ANY MURALS
		2. Any UNPAINTED laminated veneer wooden doors
		3. Main bath rooms on between 6 and 7 at Main entrance
		4. Main bath rooms across from room 36 on back hall
		5. Exit Doors and frames at exits 4 and 9
DOOR FRAMES	All Wooden & Metal Door Frames - that are currently painted.	2 coats
DOORS	All Painted wooden and metal doors (both sides)	2 coats
	EXCEPTIONS:	1. Any UNPAINTED laminated veneer wooden doors
GYM	Blow off all duck work	
	Paint ceiling and walls	
	EXCEPTIONS:	1. DO PAINT ANY MURALS
		2. Any UNPAINTED laminated veneer wooden doors
CAFETERIA / KITCHEN	All walls and trim	
	EXCEPTIONS:	1. Any Murals
		2. Dry Storage / office area - door frame only - KITCHEN
		3. Washing Machine area - door frame only - KITCHEN
OFFICE / LOBBY	All walls and trim	
	EXCEPTIONS:	1. Any Murals
		2. Three office on front of building.
		Asst. Principal - door frame only
		Counselor - door frame only
		Principal - door frame only
		3. Storage room - door frame only
		4. Metal framing around windows and doors in lobby area
ART Trailer		