



DALSBERG : HOW TO USE & SAFETY

DATA SHEET (SDS)

OSHA (USA) & WHMIS 2015 (Canada)
Natural Mineral Pigment Preparation for Exterior Wood



HOW TO USE

This product is a natural mineral pigment preparation designed to obtain a breathable coating for exterior wood.

It is intentionally simple, forgiving, and easy to prepare.

No precise measuring is required. No technical skills needed.

What you'll need

- A clean bucket
- Cold water
- A brush or wide masonry-style brush
- (Optional) boiled linseed oil for extra durability

Simple mixing (recommended for most projects)

1. Take a bucket
2. Pour 1 gallon of water + linseed oil*
3. Add the full contents of the bag
4. Mix until smooth

5. Let rest 20–30 minutes, stir once more with *optional linseed oil or tung oil.
6. Apply directly on wood

- ✓ No primer
- ✓ One generous coat is usually enough
- ✓ Matte, natural finish
- ✓ Wood grain stays visible

***Optional: longer-lasting protection (recommended for exposed wood)**

For fences, sheds, barns, or highly exposed surfaces, you may add boiled linseed oil (10-15 oz) or tung oil (5-8 oz) during mixing.

This helps:

- Improve water resistance
- Reduce surface chalking
- Extend durability over time

Any boiled linseed oil from Home Depot, Lowe's, or equivalent works perfectly. Oil is optional, recommended but not mandatory.

Application tips

- Apply on clean, dry wood
- Use a large brush or spray gun (+10% water), not a roller
- Avoid heavy rain during the first 12 hours
- Do not apply under intense direct sunlight

Dry to the touch after 1–3 hours, rain-resistant after 5–12 hours, dry to the touch after 7–14 days (casein)

Coverage & handling

- Coverage varies depending on wood type, age, and texture
- Low-density raw woods absorb even viscous mixtures well

- Dense or rough woods appreciate a more liquid mixture

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⚠ IMPORTANT SAFETY NOTES

- For exterior wood use only
- Not intended for plastics or metals
- Use basic protection when handling dry powder
- Keep away from children

Email: contact@dalsberg-paint.com
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Section 2 — Hazard Identification

All components are listed on the TSCA Inventory or are exempt.

SAFETY DATA SHEET (SDS)

Compliant with OSHA (USA) Hazard Communication Standard (29 CFR 1910.1200)
& WHMIS 2015 (Canada) — GHS Format

OSHA Classification:
Not classified as hazardous

Signal word: None
Hazard pictograms: None
Hazard statements: Not applicable

Precautionary statements:
• Avoid inhalation of dust
• Avoid prolonged skin or eye contact
• Use in a well-ventilated area

Other hazards:
Fine mineral powders may cause mild, temporary irritation.

Section 1 — Identification

Product name:
Natural Mineral Pigment Preparation (Dry Blend)

Intended use:
Mineral-based dry preparation to be mixed with water for exterior wood coating.

Restrictions on use:
Not intended for non-porous surfaces (metal, plastic, sealed coatings).

Harmonized System (HS) classification reference:
HS 3210 — Other paints and varnishes (dry mineral preparation for water-based exterior wood coating).

Supplier:

Section 3 — Composition / Information on Ingredients

Mixture of natural mineral and plant-based materials: Mixture of natural mineral and organic raw materials. Iron Oxide (Red) (CAS 1309-37-1) : 20–40 %
Not classified as hazardous under OSHA. Calcium Carbonate (CAS 471-34-1) : 25–30 %
Not classified as hazardous under OSHA. Sodium Caseinate : 4–5.5 %
Not classified as hazardous under OSHA. Dextrin (CAS 9004-53-9) : 8–10 %
Not classified as hazardous under OSHA. Hydroxyethylcellulose (CAS

9004-62-0) : 2–3 % Not classified as hazardous under OSHA. Potassium Aluminum Sulfate (Alum) (CAS 7784-24-9) : < 1 % Not classified at present concentration. Plant-derived Saponins : < 1 % Not classified at present concentration. No hazardous components are present at or above reportable concentrations under OSHA 29 CFR 1910.1200.

- ✓ No solvents
- ✓ No synthetic resins
- ✓ No synthetic preservatives

Section 4 — First Aid Measures

Eye contact:
Rinse with clean water for several minutes.

Skin contact:
Wash with soap and water.

Inhalation:
Move to fresh air if irritation occurs.

Ingestion:
Rinse mouth. Do not induce vomiting.

Section 5 — Fire-Fighting Measures

- Product is not flammable
- Suitable extinguishing media: water, CO₂, foam
- No special hazards identified

Section 6 — Accidental Release Measures

Dry material:

Sweep or vacuum carefully to avoid dust formation.

Wet material:
Absorb with inert material (sand, cloth).

Section 7 — Handling and Storage

Handling:

- Wear basic protective equipment if needed (dust mask and gloves)
- Pour slowly to reduce dust formation

Storage:

- Keep dry
- Protect from frost and moisture
- Seal after opening

Shelf life:

- Dry product: up to 10 to 15 years
- Mixed preparation: up to 12 months if sealed and stored above 46°F (8°C)

Section 8 — Exposure Controls / Personal Protection

- Gloves recommended
- Safety glasses recommended
- Dust mask recommended during dry handling

Section 9 — Physical and Chemical Properties

- Appearance: Colored mineral powder
- Odor: Mild natural odor
- pH (mixed): Approx. 9
- Solubility: Fully dispersible in water
- Flammability: Not flammable

- IATA

Section 10 — Stability and Reactivity

- Stable under normal conditions of storage and use
- No reaction with acids under normal conditions
- No hazardous decomposition products

No UN number assigned.
Not classified as a flammable solid under UN Manual of Tests and Criteria.
Non-combustible under normal conditions of storage and transport.
Transport classification based on product supplied in dry powder form.

Section 11 — Toxicological Information

- Not classified as toxic
- No known chronic toxicity
- Possible mild irritation from mineral dust

- OSHA compliant
- All components are listed on the TSCA Inventory or are exempt
- No substances subject to TSCA restrictions
- No SARA Title III reporting
- No California Proposition 65 substances
- Not classified as hazardous under WHMIS 2015

Section 12 — Ecological Information

- Biodegradable
- No known ecotoxicity
- Avoid release in large quantities into waterways

Customs classification reference:
HS 3210 – Other paints and varnishes (non-hazardous dry mineral coating preparation).

Section 13 — Disposal Considerations

- Dispose according to local regulations
- Small quantities may be treated as household waste

This SDS reflects current knowledge and is provided for safe handling and regulatory compliance.

Revision date: 01/2026
Version: 3.0

Section 14 — Transport Information

Not regulated as hazardous under:

- DOT (USA)
- IMDG

Section 16 — Other Information