



## SAFETY DATA SHEET

Revision Date: 13-Jun-2018

Revision Number: 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Product Name           | SUPER SPEC ALKYD ENAMEL UNDERCOATER & PRIMER SEALER WHITE |
| Product Code           | C24500                                                    |
| Alternate Product Code | C24500                                                    |
| Product Class          | SOLVENT THINNED PAINT                                     |
| Color                  | White                                                     |
| Recommended use        | Paint                                                     |
| Restrictions on use    | No information available                                  |

|                                                                                                                                          |                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Manufacturer</b><br>Benjamin Moore & Co.<br>101 Paragon Drive<br>Montvale, NJ 07645<br>Phone: 1-866-708-9180<br>www.benjaminmoore.com | <b>Emergency Telephone</b><br>CHEMTREC (US): 800-424-9300<br>CHEMTREC (outside US): (703)-527-3887 |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                                    |             |
|----------------------------------------------------|-------------|
| Carcinogenicity                                    | Category 1A |
| Specific target organ toxicity (repeated exposure) | Category 1  |
| Aspiration toxicity                                | Category 1  |
| Flammable liquids                                  | Category 3  |

#### Label elements

|                                                                |
|----------------------------------------------------------------|
| Danger                                                         |
| <b>Hazard statements</b>                                       |
| May cause cancer                                               |
| Causes damage to organs through prolonged or repeated exposure |
| May be fatal if swallowed and enters airways                   |
| Flammable liquid and vapor                                     |



**Appearance** white liquid

**Odor** solvent

#### Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/lighting/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

##### Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

##### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

##### Fire

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Hazards not otherwise classified (HNOC)

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded

#### Other information

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No.   | Weight-% |
|---------------|-----------|----------|
| Limestone     | 1317-65-3 | 50       |

|                                              |            |     |
|----------------------------------------------|------------|-----|
| Hydrotreated heavy naphtha, petroleum        | 64742-48-9 | 15  |
| Solvent naphtha, petroleum, medium aliphatic | 64742-88-7 | 10  |
| Titanium dioxide                             | 13463-67-7 | 10  |
| Cristobalite                                 | 14464-46-1 | 5   |
| Silica, crystalline                          | 14808-60-7 | 0.5 |

#### 4. FIRST AID MEASURES

|                                        |                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Advice</b>                  | If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.                                                                                                                   |
| <b>Eye Contact</b>                     | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician. |
| <b>Skin Contact</b>                    | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.                                                                    |
| <b>Inhalation</b>                      | Move to fresh air. If symptoms persist, call a physician.<br>If not breathing, give artificial respiration. Call a physician immediately.                                                                         |
| <b>Ingestion</b>                       | Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.                           |
| <b>Protection Of First-Aiders</b>      | Use personal protective equipment.                                                                                                                                                                                |
| <b>Most Important Symptoms/Effects</b> | No information available.                                                                                                                                                                                         |
| <b>Notes To Physician</b>              | Treat symptomatically.                                                                                                                                                                                            |

#### 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                                                                                                                                                                            |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>                          | Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                                                                                         |
| <b>Protective Equipment And Precautions For Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.                                                                                                     |
| <b>Specific Hazards Arising From The Chemical</b>            | Combustible material. Closed containers may rupture if exposed to fire or extreme heat. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors. |
| <b>Sensitivity To Mechanical Impact</b>                      | No                                                                                                                                                                                                                                         |
| <b>Sensitivity To Static Discharge</b>                       | Yes                                                                                                                                                                                                                                        |
| <b>Flash Point Data</b>                                      |                                                                                                                                                                                                                                            |

|                  |       |
|------------------|-------|
| Flash Point (°F) | 127.0 |
| Flash Point (°C) | 52.8  |
| Method           | PMCC  |

#### Flammability Limits In Air

|                           |               |
|---------------------------|---------------|
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

**NFPA**    **Health:** 1            **Flammability:** 2            **Instability:** 0            **Special:** Not Applicable

#### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**      Use personal protective equipment. Remove all sources of ignition.

**Other Information**      Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Environmental precautions**      See Section 12 for additional Ecological Information.

**Methods for Cleaning Up**      Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling**      Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition.

**Storage**      Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Keep out of the reach of children.

**DANGER** - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

**Incompatible Materials**      Incompatible with strong acids and bases and strong oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

| Chemical name       | ACGIH TLV                     | OSHA PEL                                                |
|---------------------|-------------------------------|---------------------------------------------------------|
| Limestone           | N/E                           | 15 mg/m <sup>3</sup> - TWA<br>5 mg/m <sup>3</sup> - TWA |
| Titanium dioxide    | 10 mg/m <sup>3</sup> - TWA    | 15 mg/m <sup>3</sup> - TWA                              |
| Cristobalite        | 0.025 mg/m <sup>3</sup> - TWA | -                                                       |
| Silica, crystalline | 0.025 mg/m <sup>3</sup> - TWA | -                                                       |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

### Engineering Measures

Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

#### Eye/Face Protection

Safety glasses with side-shields If splashes are likely to occur, wear: Tightly fitting safety goggles

#### Skin Protection

Long sleeved clothing. Protective gloves.

#### Respiratory Protection

In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

### Hygiene Measures

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

white liquid

### Odor

solvent

### Odor Threshold

No information available

### Density (lbs/gal)

12.4 - 12.7

### Specific Gravity

1.48 - 1.53

### pH

No information available

### Viscosity (cps)

No information available

### Solubility(ies)

No information available

### Water solubility

No information available

### Evaporation Rate

No information available

### Vapor pressure @20 °C (kPa)

No information available

### Vapor density

No information available

### Wt. % Solids

70 - 80

### Vol. % Solids

50 - 60

### Wt. % Volatiles

20 - 30

### Vol. % Volatiles

40 - 50

### VOC Regulatory Limit (g/L)

< 350

### Boiling Point (°F)

279

|                                |                          |
|--------------------------------|--------------------------|
| Boiling Point (°C)             | 137                      |
| Freezing Point (°F)            | No information available |
| Freezing Point (°C)            | No information available |
| Flash Point (°F)               | 127.0                    |
| Flash Point (°C)               | 52.8                     |
| Method                         | PMCC                     |
| Flammability (solid, gas)      | Not applicable           |
| Upper flammability limit:      | No information available |
| Lower flammability limit:      | No information available |
| Autoignition Temperature (°F)  | No information available |
| Autoignition Temperature (°C)  | No information available |
| Decomposition Temperature (°F) | No information available |
| Decomposition Temperature (°C) | No information available |
| Partition coefficient          | No information available |

## 10. STABILITY AND REACTIVITY

|                                    |                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------|
| Reactivity                         | Not Applicable                                                                        |
| Chemical Stability                 | Stable under normal conditions. Hazardous polymerisation does not occur.              |
| Conditions to avoid                | Keep away from open flames, hot surfaces, static electricity and sources of ignition. |
| Incompatible Materials             | Incompatible with strong acids and bases and strong oxidizing agents.                 |
| Hazardous Decomposition Products   | Thermal decomposition can lead to release of irritating gases and vapors.             |
| Possibility of hazardous reactions | None under normal conditions of use.                                                  |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

#### Information on likely routes of exposure

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

### Acute Toxicity

**Product Information** Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                 |                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>              | Contact with eyes may cause irritation.                                                                                                                                                                                        |
| <b>Skin contact</b>             | May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.                                                                                                                 |
| <b>Ingestion</b>                | Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. |
| <b>Inhalation</b>               | High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.                              |
| <b>Sensitization</b>            | No information available.                                                                                                                                                                                                      |
| <b>Neurological Effects</b>     | No information available.                                                                                                                                                                                                      |
| <b>Mutagenic Effects</b>        | No information available.                                                                                                                                                                                                      |
| <b>Reproductive Effects</b>     | No information available.                                                                                                                                                                                                      |
| <b>Developmental Effects</b>    | No information available.                                                                                                                                                                                                      |
| <b>Target organ effects</b>     | No information available.                                                                                                                                                                                                      |
| <b>STOT - repeated exposure</b> | Causes damage to organs through prolonged or repeated exposure if inhaled.                                                                                                                                                     |
| <b>STOT - single exposure</b>   | No information available.                                                                                                                                                                                                      |
| <b>Other adverse effects</b>    | No information available.                                                                                                                                                                                                      |
| <b>Aspiration Hazard</b>        | May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.     |

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                        |             |
|------------------------|-------------|
| <b>ATEmix (oral)</b>   | 18584 mg/kg |
| <b>ATEmix (dermal)</b> | 13802 mg/kg |

#### Component Information

##### Acute Toxicity

###### Hydrotreated heavy naphtha, petroleum

LD50 Oral: > 5,000 mg/kg (Rat) vendor data

LD50 Dermal: > 3,160 mg/kg (Rabbit)

###### Solvent naphtha, petroleum, medium aliphatic

LD50 Oral: > 6240 mg/kg (Rat)

LD50 Dermal: > 3120 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 1400 ppm (Rat, 4 hr.)

###### Titanium dioxide

LD50 Oral: > 10000 mg/kg (Rat)

###### Silica, crystalline

LD50 Oral: 500 mg/kg (Rat)

##### Carcinogenicity

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

| Chemical name    | IARC                           | NTP | OSHA   |
|------------------|--------------------------------|-----|--------|
| Titanium dioxide | 2B - Possible Human Carcinogen |     | Listed |
| Cristobalite     | 1 - Human Carcinogen           |     | Listed |

|                     |                      |                        |        |
|---------------------|----------------------|------------------------|--------|
| Silica, crystalline | 1 - Human Carcinogen | Known Human Carcinogen | Listed |
|---------------------|----------------------|------------------------|--------|

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

**Legend**

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

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity Effects**

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

#### **Product Information**

##### **Acute Toxicity to Fish**

No information available

##### **Acute Toxicity to Aquatic Invertebrates**

No information available

##### **Acute Toxicity to Aquatic Plants**

No information available

##### **Persistence / Degradability**

No information available.

##### **Bioaccumulation**

No information available.

##### **Mobility in Environmental Media**

No information available.

##### **Ozone**

No information available

#### **Component Information**

##### **Acute Toxicity to Fish**

##### Titanium dioxide

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

##### **Acute Toxicity to Aquatic Invertebrates**

No information available

##### **Acute Toxicity to Aquatic Plants**

No information available

### 13. DISPOSAL CONSIDERATIONS

|                                |                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method</b>   | Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options. |
| <b>Empty Container Warning</b> | Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.                                                                      |

### 14. TRANSPORT INFORMATION

#### DOT

|                             |                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Proper Shipping Name</b> | PAINT                                                                                                                         |
| <b>Hazard class</b>         | 3                                                                                                                             |
| <b>UN-No.</b>               | UN1263                                                                                                                        |
| <b>Packing Group</b>        | III                                                                                                                           |
| <b>Description</b>          | UN1263, PAINT, 3, III, Marine Pollutant (Hydrotreated heavy naphtha, petroleum, Solvent naphtha, petroleum, medium aliphatic) |

|                    |                                               |
|--------------------|-----------------------------------------------|
| <b>ICAO / IATA</b> | Contact the preparer for further information. |
| <b>IMDG / IMO</b>  | Contact the preparer for further information. |

### 15. REGULATORY INFORMATION

#### International Inventories

|                            |                                            |
|----------------------------|--------------------------------------------|
| <b>TSCA: United States</b> | Yes - All components are listed or exempt. |
| <b>DSL: Canada</b>         | Yes - All components are listed or exempt. |

#### Federal Regulations

##### SARA 311/312 hazardous categorization

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

##### SARA 313

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

*None*

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

This product contains the following HAPs:

None

**US State Regulations**

**California Proposition 65**

 **WARNING:** Cancer and Reproductive Harm— [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**State Right-to-Know**

| Chemical name                                | Massachusetts | New Jersey | Pennsylvania |
|----------------------------------------------|---------------|------------|--------------|
| Limestone                                    | X             | X          | X            |
| Solvent naphtha, petroleum, medium aliphatic |               | X          |              |
| Titanium dioxide                             | X             | X          | X            |
| Cristobalite                                 | X             | X          | X            |
| Silica, crystalline                          | X             | X          | X            |

**Legend**

X - Listed

**16. OTHER INFORMATION**

**HMIS -      Health: 1\*      Flammability: 2      Reactivity: 0      PPE: -**

**HMIS Legend**

- 0 - Minimal Hazard
- 1 - Slight Hazard
- 2 - Moderate Hazard
- 3 - Serious Hazard
- 4 - Severe Hazard
- \* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*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 are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**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](http://www.epa.gov/lead).

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**Prepared By** Product Stewardship Department  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
800-225-5554

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**Revision Summary** Not available

Disclaimer

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

**END OF SAFETY DATA SHEET**