



Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID: 044.0021851.007
Product Name: VAL AR PRIMER RED OXIDE
Product Use: Paint product.
Print date: 23/Apr/2013
Revision Date: 23/Apr/2013

Company Identification

The Valspar Corporation - Architectural Coatings Division
1191 Wheeling Road
Wheeling, IL 60090

Manufacturer's Phone: 1-847-520-8580

24-Hour Medical Emergency Phone: 1-888-345-5732

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- Moderate eye irritation

Skin Contact:

- May cause defatting of the skin.
- Dermatitis
- Causes skin irritation.

Ingestion:

- Irritation of the mouth, throat, and stomach.
- Aspiration hazard if swallowed - can enter lungs and cause damage.

Inhalation:

- Causes respiratory tract irritation.
- Harmful by inhalation.

Target Organ and Other Health Effects:

- Kidney injury may occur.
- Causes headache, drowsiness or other effects to the central nervous system.
- Liver injury may occur.

This product contains ingredients that may contribute to the following potential chronic health effects:

- Prolonged exposure over TLV may produce pneumoconiosis.
- Chronic exposure may cause permanent damage of health.
- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- Prolonged exposure to respirable crystalline quartz silica may cause delayed chronic injury (silicosis).

Carcinogens:

- Cancer hazard. Contains material which can cause cancer.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Ingredient Name CAS-No. | Approx. Weight % | Chemical Name |
|--|---------------------|---|
| PROPRIETARY INERT | 25 - 30 | PROPRIETARY INERT |
| MINERAL SPIRITS 64742-47-8 | 15 - 20 | Petroleum distillates, hydrotreated light |
| BARITE 13462-86-7 | 10 - 15 | Barite (Ba(SO ₄)) |
| PROPRIETARY COLOR PIGMENT | 5 - 10 | PROPRIETARY COLOR PIGMENT |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | Stoddard solvent |
| ZINC PHOSPHATE 7779-90-0 | 1 - 5 | Phosphoric acid, zinc salt (2:3) |
| AROMATIC NAPHTHA, LIGHT 64742-95-6 | 1 - 5 | Petroleum naphtha, light aromatic |
| SILICA 14808-60-7 | .1 - 1 | QUARTZ (SiO ₂) |

If this section is blank there are no hazardous components per OSHA guidelines.

4. FIRST AID MEASURES**Eye Contact:**

Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

Ingestion:

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

Inhalation:

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.

Medical conditions aggravated by exposure:

Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

| | |
|----------------------------------|--|
| Flash point (Fahrenheit): | 101 |
| Flash point (Celsius): | 38 |
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 6 |
| Autoignition temperature: | not determined |
| Sensitivity to impact: | no |
| Sensitivity to static discharge: | Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7. |
| Hazardous combustion products: | See Section 10. |

Unusual fire and explosion hazards:

Contaminated rags, wipes, saw dust, etc., may catch fire spontaneously. Store waste under water in closed metal containers or in approved self-closing containers designed to prevent spontaneous combustion until disposed of in compliance with applicable regulations. Oxidizing Material

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES**Action to be taken if material is released or spilled:**

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape or soak up in an inert material and put in a container for disposal. See section 7, "Handling and Storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE**Precautions to be taken in handling and storage:**

Keep away from heat, sparks and open flame. - No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses, or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS**Personal Protective Equipment**

Eye and face protection:

Wear safety glasses or goggles to protect against exposure.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturer's instructions.

Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapours from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion-proof electrical/ventilating/lighting/equipment.

Exposure Guidelines**OSHA Permissible Exposure Limits (PEL's)**

| Ingredient Name CAS-No. | Approx. Weight % | TWA (final) | Ceilings limits (final) | Skin designations |
|-------------------------------|---------------------|---|-------------------------|-------------------|
| PROPRIETARY INERT | 25 - 30 | Respirable. Listed. Total dust. Listed. | | |
| BARITE 13462-86-7 | 10 - 15 | 0.5 mg/m ³ TWA Ba | | |
| PROPRIETARY COLOR PIGMENT | 5 - 10 | 10 mg/m ³ TWA fume | | |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | 2900 mg/m ³ TWA 500 ppm TWA | | |
| SILICA 14808-60-7 | .1 - 1 | (30)/(%SiO ₂ + 2) mg/m ³ TWA, total dust (250)/(%SiO ₂ + 5) mppcf TWA, respirable fraction (10)/(%SiO ₂ + 2) mg/m ³ TWA, respirable fraction | | |

ACGIH Threshold Limit Value (TLV's)

| Ingredient Name CAS-No. | Approx. Weight % | TWA | STEL | Ceiling limits | Skin designations |
|-------------------------------|---------------------|--|------|----------------|-------------------|
| PROPRIETARY INERT | 25 - 30 | 2 mg/m ³ TWA particulate matter containing no asbestos and <1% crystalline silica, respirable fraction | | | |
| BARITE 13462-86-7 | 10 - 15 | 0.5 mg/m ³ TWA Ba | | | |
| PROPRIETARY COLOR PIGMENT | 5 - 10 | 5 mg/m ³ TWA respirable fraction | | | |
| STODDARD SOLVENT 8052-41-3 | 1 - 5 | 100 ppm TWA | | | |
| SILICA 14808-60-7 | .1 - 1 | 0.025 mg/m ³ TWA respirable fraction | | | |

9. PHYSICAL PROPERTIES

| | |
|---|-------------------------------|
| Odor: | Normal for this product type. |
| Physical State: | liquid |
| pH: | not determined |
| Vapor pressure: | 2 mmHg @ 68°F (20°C) |
| Vapor density (air = 1.0): | 5.1 |
| Boiling point: | 302°F (150°C) |
| Solubility in water: | not determined |
| Coefficient of water/oil distribution: | not determined |
| Density (lbs per US gallon): | 11.53 |
| Specific Gravity: | 1.38 |
| Evaporation rate (butyl acetate = 1.0): | 1 |
| Flash point (Fahrenheit): | 101 |
| Flash point (Celsius): | 38 |
| Lower explosive limit (%): | 1 |
| Upper explosive limit (%): | 6 |
| Autoignition temperature: | not determined |

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Stability: | Stable under normal conditions. |
| Conditions to Avoid: | Heat. |
| Incompatibility: | Strong oxidizing agents |
| Hazardous Polymerization: | None anticipated. |
| Hazardous Decomposition Products: | Silicon dioxide. Carbon monoxide and carbon dioxide. Oxides of sulfur. Metal oxide fumes. |

Sensitivity to static discharge: Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

| Ingredient Name CAS-No. | Approx. Weight % | NIOSH - Selected LD50s and LC50s |
|--|---------------------|---|
| MINERAL SPIRITS 64742-47-8 | 15 - 20 | > 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h > 5000 mg/kg Oral LD50 Rat |
| BARITE 13462-86-7 | 10 - 15 | > 15000 mg/kg Oral LD50 Rat |
| PROPRIETARY COLOR PIGMENT | 5 - 10 | > 10000 mg/kg Oral LD50 Rat |
| ZINC PHOSPHATE 7779-90-0 | 1 - 5 | > 5000 mg/kg Oral LD50 Rat |
| AROMATIC NAPHTHA, LIGHT 64742-95-6 | 1 - 5 | = 3400 ppm Inhalation LC50 Rat 4 h = 8400 mg/kg Oral LD50 Rat > 2000 mg/kg Dermal LD50 Rabbit > 5.2 mg/L Inhalation LC50 Rat 4 h |
| SILICA 14808-60-7 | .1 - 1 | = 500 mg/kg Oral LD50 Rat |

Mutagens/Teratogens/Carcinogens:

Cancer hazard. Contains material which can cause cancer.

Contains crystalline silica. The IARC has determined that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (group 1). Refer to IARC monograph 68 in conjunction with the use of these materials. Risk of cancer depends on the duration and level of exposure. In coatings products, risk is due primarily to inhalation of sanding dusts or respirable particles in spray mists. The NTP has also determined that crystalline silica is a known human carcinogen in the form of fine, breathable particles. Risk of cancer depends on duration and level of exposure in coatings products, risk is due primarily to inhalation of sanding dust or respirable particles in spray mist.

| Ingredient Name CAS-No. | Approx. Weight % | California Prop 65 - Reproductive (Female) | California Prop 65 - Carcinogen |
|----------------------------|---------------------|---|--|
| SILICA 14808-60-7 | .1 - 1 | | Listed. initial date 10/1/88 - carcinogen |

| Ingredient Name CAS-No. | Approx. Weight % | IARC Group 1 - Human Evidence | IARC Group 2A - Limited Human Data | IARC Group 2B - Sufficient Animal Data |
|----------------------------|---------------------|----------------------------------|---------------------------------------|---|
| SILICA 14808-60-7 | .1 - 1 | Monograph 68 [1997] | | |

| Ingredient Name CAS-No. | Approx. Weight % | NTP Known Carcinogens | NTP Suspect Carcinogens |
|----------------------------|---------------------|------------------------|-------------------------|
| SILICA 14808-60-7 | .1 - 1 | Known Human Carcinogen | |

| Ingredient Name CAS-No. | Approx. Weight % | OSHA - Hazard Communication Carcinogens | OSHA - Specifically Regulated Carcinogens | ACGIH Carcinogens |
|----------------------------|---------------------|---|--|----------------------------------|
| SILICA 14808-60-7 | .1 - 1 | Present | | A2 Suspected Human Carcinogen |

12. ECOLOGICAL DATA

No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

| | |
|-----------------------|--------------------|
| UN ID Number (msds): | UN1263 |
| Proper Shipping Name: | PAINT |
| Hazard Class: | COMBUSTIBLE LIQUID |
| Packing Group: | III |

U.S Hazmat and/or International DG shipment exceptions

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

Reportable Quantity Description:

International Air Transport Association (IATA):

| | |
|-----------------------|--------|
| UN/ID No: | UN1263 |
| Proper shipping name: | Paint |
| Hazard Class: | 3 |

Packing Group:

III

International Maritime Organization (IMO):

UN/ID No: UN1263
Proper shipping name: PAINT
Hazard Class: 3
Packing Group: III
Marine Pollutant: YES
Marine Pollutant Ingredient 1: ZINC PHOSPHATE
Marine Pollutant Ingredient 2: STODDARD SOLVENT

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

| Ingredient Name CAS-No. | Approx. Weight % | SARA 302 | SARA 313 | CERCLA RQ in lbs. |
|-----------------------------|---------------------|----------|--|-------------------|
| BARITE 13462-86-7 | 10 - 15 | | Form R reporting required for 1.0 % de minimis concentration | |
| ZINC PHOSPHATE 7779-90-0 | 1 - 5 | | YES | |

SARA 311/312 Hazard Class:

Acute: yes
Chronic: yes
Flammability: yes
Reactivity: no
Sudden Pressure: no

U.S. STATE REGULATIONS:

Right to Know:

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

AROMATIC NAPHTHA, LIGHT 64742-95-6
ZINC PHOSPHATE 7779-90-0
BARITE 13462-86-7
PROPRIETARY INERT Trade Secret
MINERAL SPIRITS 64742-47-8
PROPRIETARY COLOR PIGMENT Trade Secret
STODDARD SOLVENT 8052-41-3

Additional Non-Hazardous Materials

PROPRIETARY RESIN Trade Secret
PROPRIETARY RESIN Trade Secret
PROPRIETARY OIL Trade Secret

California Proposition 65:

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

Rule 66 status of product

Photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

US TSCA Inventory:

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List:

All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION**HMIS Codes**

| | |
|----------------------|--|
| Health: | 2* |
| Flammability: | 2 |
| Reactivity: | 1 |
| PPE: | X - See Section 8 for Personal Protective Equipment (PPE). |

Abbreviations:

OSHA - Occupational Safety and Health Administration, IARC - International Agency for Research on Cancer, NIOSH - National Institute of Occupational Safety and Health, NTP - National Toxicology Program, ACGIH - American Conference of Governmental Industrial Hygienists, SCAQMD - South Coast Air Quality Management District, TSCA - Toxic Substances Control Act, IATA - International Air Transport Association, IMO - International Maritime Organization, DOT - Department of Transportation, NA - Not applicable, NOT ESTAB - Not established, N.A.V. - Not available, RQ - Reportable quantity, WT - Weight, MG/CU M - Milligrams per cubic meter, G/L - Grams per liter, MM - Millimeters, MPPCF - Millions of particles per cubic foot, PPM - parts per million, PPT - parts per thousand, TCC/PM - Tag closed cup / Pensky-Martens, PB - Lead, PEL - Permissible exposure level, TWA - Time Weighted Average, STEL - Short term exposure limit, C - Celsius, F - Fahrenheit.

Disclaimer:

The data on this sheet represent typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Valspar assumes no obligation or liability for use of this information. UNLESS VALSPAR AGREES OTHERWISE IN WRITING, VALSPAR MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VALSPAR WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

Preparation Information:

| | |
|----------------|-------------------------------|
| Prepared By: | Regulatory Affairs Department |
| Print date: | 23/Apr/2013 |
| Revision Date: | 23/Apr/2013 |