

The Valspar Corporation

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product ID: 5788C90007
Product Name: SURFACING AGENT
Product Use: Coatings product.
Print date: 23/Nov/2005
Revision Date: 22/Apr/2004

Company Identification

The Valspar Corporation
210 East Alondra Blvd.
Gardena, California 90248
Manufacturer's Phone: 1-310-352-3087

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

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Common Name CAS-No. | Approx. Weight % | Chemical name |
|---|---------------------|---------------|
| STYRENE MONOMER 100% VOC 100-42-5 | 90 - 95 | Styrene |

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

3. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Emergency Overview:

This section not in use.

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

Inhalation Effects:

May cause irritation of the respiratory tract. May irritate mouth, nose, and throat.

Eye Contact:

Corneal Injury/eye damage.

Skin Contact:

May cause an allergic skin reaction. May cause moderate skin irritation.

Acute Ingestion:

None known

Other Effects:

May cause central nervous system depression.

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

May cause eye damage and pain. May cause redness and blistering of skin. Contains ingredients which have been shown in laboratory animals to cause liver and kidney damage. Possible sensitization.

See Section 11 for toxicological information about Mutagens, Teratogens and Carcinogens.

If this section is blank, no information is available.

4. FIRST AID MEASURES

Inhalation:

If affected by inhalation, move victim to fresh air. If symptoms persist, seek medical attention.

Eye Contact:

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Skin Contact:

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. If irritation persists get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean contaminated shoes.

Ingestion:

If swallowed, get medical attention immediately.

Medical conditions aggravated by exposure: Any respiratory or skin condition.

5. FIRE FIGHTING MEASURES

| | |
|----------------------------------|---|
| Flash point (Fahrenheit): | 88° F (31° C) TCC/PM |
| Lower explosive limit: | 1 % |
| Upper explosive limit: | 6 % |
| Autoignition temperature: | Not available. ° F (° C) |
| Sensitivity to impact: | No. |
| Sensitivity to static discharge: | Subject to static discharge hazards. Please see bonding and grounding information in Section 7. |
| Hazardous combustion products: | See Section 10. |

Unusual fire and explosion hazards:

None known.

Extinguishing media:

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

Fire fighting procedures:

Use water spray to cool nearby containers and structures exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Ventilate area. Avoid breathing of vapors. 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 5, "Unusual Fire and Explosion Hazards", for proper container and storage procedures. Remove sources of ignition. Remove with inert absorbent and non sparking tools. Avoid all personal contact.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks, and flames. Keep container closed when not in use. 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. Do not store above 85 degrees F (29.4 degrees C). Keep drum out of sun and away from heat.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear chemical goggles with splash shields or face shield. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

Skin protection:

Gloves: Neoprene or other nonporous. Neoprene or plastic apron and protective clothing covering exposed skin 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

Required when spraying or applying in confined area. Ventilation equipment should be explosion proof. Eliminate ignition sources.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

| Common Name CAS-No. | Approx. Weight % | TWA (final) | Ceilings limits (final) | Skin designations |
|---|---------------------|-------------|-------------------------|-------------------|
| STYRENE MONOMER 100% VOC 100-42-5 | 90 - 95 | 100 ppm | 200 ppm | |

ACGIH Threshold Limit Value (TLV's)

| Common Name CAS-No. | Approx. Weight % | TWA | STEL | Ceiling limits | Skin designations |
|---|---------------------|--------|--------|----------------|-------------------|
| STYRENE MONOMER 100% VOC 100-42-5 | 90 - 95 | 20 ppm | 40 ppm | | |

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

Odor:

Normal for this product type.

| | |
|---|-------------------------|
| Physical State: | Liquid |
| pH: | Not determined. |
| Vapor pressure: | 5 mmHG @ 68° F (20° C) |
| Vapor density (air = 1.0): | 5 |
| Boiling point: | 293° F (145° C) |
| Solubility in water: | Insoluble. |
| Coefficient of water/oil distribution: | Not determined. |
| Density (lbs per US gallon): | 7.5 |
| Specific Gravity | .9 |
| Evaporation rate (butyl acetate = 1.0): | .01 |

10. STABILITY AND REACTIVITY

Stability

This product contains an inhibitor and is stable under normal conditions. Please see Section 7 for proper storage and handling information.

Conditions to Avoid:

Heat. Heat or contact with peroxides or other catalysts.

Incompatibility:

Strong oxidizers. Acids or alkalis.

Hazardous Polymerization:

Product may polymerize when exposed to heat.

Hazardous Decomposition Products:

Carbon monoxide and carbon dioxide. Aldehydes.

Sensitivity to static discharge:

Subject to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

Mutagens:

Teratogens:

Carcinogens:

Contains styrene which is listed by IARC as a possible human carcinogen based on animal data. Long term animal studies nor human epidemiology studies of workers exposed to styrene provide an adequate basis to conclude styrene is carcinogenic.

| Common Name CAS-No. | Approx. Weight % | IARC Group 1 - Human Evidence | IARC Group 2A - limited human data | IARC Group 2b - sufficient animal data |
|---|---------------------|----------------------------------|---------------------------------------|--|
| STYRENE MONOMER 100% VOC 100-42-5 | 90 - 95 | | | Monograph 60, 1994; (Overall evaluation upgraded from 3 to 2B with supporting evidence from other data relevant to the evaluation of carcinogenicity and its mechanisms) |

If this section is blank, no information is available.

12. ECOLOGICAL DATA

Not available at this time.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: III

49 CFR Hazardous Material Regulations Parts 100-180

The supplier will apply the combustible liquid exception in 49 CFR 173.150(f), limited quantity or "does not sustain combustion" exceptions and consumer commodity rules, when authorized. Please check 49 CFR Parts 100-180 to determine if the use of these exceptions applies to your shipments when re-shipping our products.

International Air Transport Association:

Proper Shipping Name: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: III

International Maritime Organization:

Proper Shipping Name: PAINT
Hazard Class: 3
UN ID Number: UN1263
Packing Group: III

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

| Common Name CAS-No. | Approx. Weight % | SARA 302 | SARA 313 | CERCLA RQ IN LBS. |
|---|---------------------|----------|---|-------------------|
| STYRENE MONOMER 100% VOC 100-42-5 | 90 - 95 | | form R reporting required for 0.1% de minimis concentration | 1000 |

SARA 311/312 Hazard Class:

Acute: Yes
Chronic: Yes
Flammability: Yes
Reactivity: No
Sudden Pressure: No

U.S. STATE REGULATIONS:

Pennsylvania Right To Know:

STYRENE MONOMER 100% VOC 100-42-5

Additional Non-Hazardous Materials

PROPRIETARY ADDITIVE Trade Secret

Rule 66 status of product Not photochemically reactive.

INTERNATIONAL REGULATIONS - Chemical Inventories

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: | 3 |
| Flammability: | 3 |
| Reactivity: | 2 |
| 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.