

The Valspar Corporation

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product ID: VCS0112
Product Name: VAN DYKE BROWN
Product Use: Chemical intermediate.
Print date: 17/May/2006
Revision Date: 01/Apr/2005

Company Identification

The Valspar Corporation
1101 Third Street South
Minneapolis, MN 55415
Manufacturer's Phone: 1-612-332-7371

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

2. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

| Common Name CAS-No. | Approx. Weight % | Chemical name |
|-------------------------------------|---------------------|---|
| EXEMPT MINERAL SPIRITS 8052-41-3 | 20 - 25 | Stoddard solvent |
| ISOBUTYL ALCOHOL 78-83-1 | 1 - 5 | Isobutyl alcohol |
| MINERAL SPIRITS 64742-47-8 | 1 - 5 | Petroleum distillates, hydrotreated light |
| ISOBUTYL ACETATE 110-19-0 | 1 - 5 | Isobutyl acetate |
| N-BUTYL ALCOHOL 71-36-3 | 1 - 5 | n-Butyl alcohol |
| VM&P NAPHTHA 64742-89-8 | 1 - 5 | SOLVENT NAPHTHA, PETROLEUM, LIGHT ALIPH |
| XYLENE 1330-20-7 | 1 - 5 | Xylenes (o-, m-, p- isomers) |
| VM&P NAPHTHA 8032-32-4 | 1 - 5 | Ligroine |
| ETHYLBENZENE 100-41-4 | .1 - 1 | Ethyl benzene |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | QUARTZ (SiO ₂) |

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:**

Harmful if inhaled. May affect the brain, nervous system, or respiratory system, causing dizziness, headache, nausea or respiratory irritation. May irritate mouth, nose, and throat. May cause irritation of the respiratory tract. Dust can cause irritation of eyes, nose and respiratory tract.

Eye Contact:

May cause moderate eye irritation. May cause eye burns.

Skin Contact:

May cause moderate skin irritation. Harmful if absorbed through the skin.

Acute Ingestion:

None known

Other Effects:

May cause central nervous system depression. May cause liver damage. May cause kidney damage.

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

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). May cause eye damage and pain. May cause liver damage. Hearing loss. May cause kidney damage.

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, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. Never give anything by mouth to an unconscious person. Get medical attention immediately. Get immediate medical attention. If swallowed, get medical attention immediately.

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

5. FIRE FIGHTING MEASURES

| | |
|---------------------------|---------------------------|
| Flash point (Fahrenheit): | 82° F (28° C) TCC/PM |
| Lower explosive limit: | 1 % |
| Upper explosive limit: | 11 % |
| Autoignition temperature: | Not available. ° F (° C) |

5. FIRE FIGHTING MEASURES

Sensitivity to impact:
Sensitivity to static discharge:

No.
Subject to static discharge hazards. Please see bonding and grounding information in Section 7.
See Section 10.

Hazardous combustion products:

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. Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

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 contact with eyes.

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. 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:

Avoid contact with eyes. Wear chemical goggles if there is the possibility of contact or splashing in the eye.

Skin protection:

Appropriate chemical resistant gloves should be worn. 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

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 |
|-------------------------------------|---------------------|--|-------------------------|-------------------|
| EXEMPT MINERAL SPIRITS 8052-41-3 | 20 - 25 | 2900 mg/m ³ 500 ppm | | |
| ISOBUTYL ALCOHOL 78-83-1 | 1 - 5 | 300 mg/m ³ 100 ppm | | |
| ISOBUTYL ACETATE 110-19-0 | 1 - 5 | 700 mg/m ³ 150 ppm | | |
| N-BUTYL ALCOHOL 71-36-3 | 1 - 5 | 300 mg/m ³ 100 ppm | | |
| XYLENE 1330-20-7 | 1 - 5 | 435 mg/m ³ 100 ppm | | |
| ETHYLBENZENE 100-41-4 | .1 - 1 | 435 mg/m ³ 100 ppm | | |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | Respirable. Listed. Total dust. Listed. | | |

ACGIH Threshold Limit Value (TLV's)

| Common Name CAS-No. | Approx. Weight % | TWA | STEL | Ceiling limits | Skin designations |
|-------------------------------------|---------------------|--|---------|----------------|-------------------|
| EXEMPT MINERAL SPIRITS 8052-41-3 | 20 - 25 | 100 ppm | | | |
| ISOBUTYL ALCOHOL 78-83-1 | 1 - 5 | 50 ppm | | | |
| ISOBUTYL ACETATE 110-19-0 | 1 - 5 | 150 ppm | | | |
| N-BUTYL ALCOHOL 71-36-3 | 1 - 5 | 20 ppm | | | |
| XYLENE 1330-20-7 | 1 - 5 | 100 ppm | 150 ppm | | |
| VM&P NAPHTHA 8032-32-4 | 1 - 5 | 300 ppm | | | |
| ETHYLBENZENE 100-41-4 | .1 - 1 | 100 ppm | 125 ppm | | |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | 0.05 mg/m ³ Respirable fraction. | | | |

If this section is blank, no information is available.

9. PHYSICAL PROPERTIES

| | |
|---|-------------------------------|
| Odor: | Normal for this product type. |
| Physical State: | Solid |
| pH: | Not determined. |
| Vapor pressure: | 15 mmHG @ 68° F (20° C) |
| Vapor density (air = 1.0): | 5.1 |
| Boiling point: | 225° F (107° C) |
| Solubility in water: | Insoluble. |
| Coefficient of water/oil distribution: | Not determined. |
| Density (lbs per US gallon): | 10.20 |
| Specific Gravity | 1.22 |
| Evaporation rate (butyl acetate = 1.0): | 1.5 |

10. STABILITY AND REACTIVITY

Stability
 Conditions to Avoid:
 Incompatibility:
 Hazardous Polymerization:
 Hazardous Decomposition Products:

Stable
 None known.
 Strong oxidizers.
 None anticipated.
 Carbon monoxide and carbon dioxide.

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 ethylbenzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethylbenzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans. 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.

| Common Name CAS-No. | Approx. Weight % | IARC Group 1 - Human Evidence | IARC Group 2A - Limited Human Data | IARC Group 2B - Sufficient Animal Data |
|----------------------------------|---------------------|--|---------------------------------------|---|
| ETHYLBENZENE 100-41-4 | .1 - 1 | | | Monograph 77, 2000 |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | Monograph 68, 1997; (inhaled in the form of quartz or cristobalite from occupational sources) | | |

| Common Name CAS-No. | Approx. Weight % | NTP Known Carcinogens | NTP Suspect Carcinogens | NTP Evidence of Carcinogenicity |
|----------------------------------|---------------------|--------------------------|----------------------------|--|
| ETHYLBENZENE 100-41-4 | .1 - 1 | | | male rat-clear evidence; female rat-some evidence; male mice- some evidence; female mice-some evidence |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | Known carcinogen. | | |

| Common Name CAS-No. | Approx. Weight % | OSHA Select Carcinogens | OSHA Possible Select Carcinogens | ACGIH Carcinogens |
|---------------------------|---------------------|----------------------------|-------------------------------------|---|
| VM&P NAPHTHA 8032-32-4 | 1 - 5 | | | Group A3 Confirmed animal carcinogen with unknown relevance to humans. |

| Common Name CAS-No. | Approx. Weight % | OSHA Select Carcinogens | OSHA Possible Select Carcinogens | ACGIH Carcinogens |
|----------------------------------|---------------------|----------------------------|-------------------------------------|---|
| ETHYLBENZENE 100-41-4 | .1 - 1 | | | Group A3 Confirmed animal carcinogen with unknown relevance to humans. |
| CRYSTALLINE SILICA 14808-60-7 | .1 - 1 | | | Group A2 Suspected human carcinogen. |

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 RELATED MATERIAL
Hazard Class: 3
UN ID Number: UN1263
Packing Group: III

49 CFR Hazardous Material Regulations Parts 100-180

THIS PRODUCT CONTAINS THE FOLLOWING HAZARDOUS SUBSTANCES IN REPORTABLE QUANTITIES . NOT ALL SIZES ARE SUBJECT TO THE RQ REQUIREMENTS. PLEASE CONTACT THE SUPPLIER FOR FURTHER SHIPPING INFORMATION.

International Air Transport Association:

Proper Shipping Name: Contact Supplier for further information.

International Maritime Organization:

Proper Shipping Name: Contact Supplier for further information.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

| Common Name CAS-No. | Approx. Weight % | SARA 302 | SARA 313 | CERCLA RQ in lbs. |
|------------------------------|---------------------|----------|---|-------------------|
| ISOBUTYL ALCOHOL 78-83-1 | 1 - 5 | | | 5000 |
| ISOBUTYL ACETATE 110-19-0 | 1 - 5 | | | 5000 |
| N-BUTYL ALCOHOL 71-36-3 | 1 - 5 | | form R reporting required for 1.0% de minimis concentration | 5000 |
| XYLENE 1330-20-7 | 1 - 5 | | form R reporting required for 1.0% de minimis concentration | 100 |

| Common Name CAS-No. | Approx. Weight % | SARA 302 | SARA 313 | CERCLA RQ in lbs. |
|--------------------------|---------------------|----------|---|-------------------|
| ETHYLBENZENE 100-41-4 | .1 - 1 | | form R reporting required for 1.0% 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:

| | |
|------------------------|------------|
| EXEMPT MINERAL SPIRITS | 8052-41-3 |
| ISOBUTYL ALCOHOL | 78-83-1 |
| N-BUTYL ALCOHOL | 71-36-3 |
| MINERAL SPIRITS | 64742-47-8 |
| VM&P NAPHTHA | 8032-32-4 |
| ISOBUTYL ACETATE | 110-19-0 |
| VM&P NAPHTHA | 64742-89-8 |
| XYLENE | 1330-20-7 |

Additional Non-Hazardous Materials

PROPRIETARY ADDITIVE Trade Secret

California Proposition 65:

WARNING: This product contains chemicals known to the State of California to cause cancer.

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: 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:

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