



## SAFETY DATA SHEET

Revision date 21-Feb-2017

Version 15

Supersedes Date: 16-Jan-2017

### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Code** 9571.L05

**Product Name** 1L MM571 BEROBASE 500 SERIES XIRALLIC WHITE

**Other means of identification**

No information available

**Recommended use of the chemical and restrictions on use**

Paint, Coatings

**Details of the supplier of the safety data sheet**

See section 16 for more information

The Valspar Corporation  
PO Box 1461  
Minneapolis, MN 55440

**E-mail address** [msds@valspar.com](mailto:msds@valspar.com)

**Emergency telephone number**

United States of America 1-888-345-5732

American Samoa, Guam, Northern Mariana Islands, Puerto Rico, U.S. Virgin Islands 1-800-255-3924

### Section 2: HAZARDS IDENTIFICATION

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

## Label elements



Signal word

**DANGER**

### **HAZARD STATEMENTS**

Flammable liquid and vapor  
Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction  
Suspected of causing cancer  
Suspected of damaging fertility or the unborn child  
May cause drowsiness or dizziness  
May cause damage to organs through prolonged or repeated exposure  
May be fatal if swallowed and enters airways

### **PREVENTION**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. P210 - Keep away from heat/sparks/open flames/hot surfaces. - 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.

### **RESPONSE**

IF exposed or concerned: Get medical advice/attention.

#### **Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### **Skin**

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

#### **Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### **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.

### **STORAGE**

Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

### **DISPOSAL**

Dispose of contents/containers in accordance with local regulations.

### **HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)**

No information available.

### **OTHER HAZARDS**

Not applicable.

### **UNKNOWN ACUTE TOXICITY**

0% of the mixture consists of ingredient(s) of unknown toxicity.

## **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	weight-%
n-Butyl acetate	123-86-4	25 - 50
Xylenes	1330-20-7	10 - 25
Ethylbenzene	100-41-4	5 - 10
1-Butanol	71-36-3	3 - 5
Rutile (TiO <sub>2</sub> )	1317-80-2	1 - 3
Isobutyl alcohol	78-83-1	1 - 3
Toluene	108-88-3	0.1 - 0.3
Butyl methacrylate	97-88-1	0.1 - 0.3
Formaldehyde	50-00-0	100 ppm - <0.1%

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## Section 4: FIRST AID MEASURES

### First Aid Measures

#### **General advice**

IF exposed or concerned: Get medical advice/attention.

#### **Eye contact**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### **Skin Contact**

If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.

#### **Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

#### **Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

### **Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

### **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### **Suitable extinguishing media**

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

### **Specific hazards arising from the chemical**

Burning produces heavy smoke. Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by skin contact.

### **Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective suit. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

## Section 6: ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

### Personal precautions

Avoid breathing vapors or mists. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Take precautionary measures against static discharges.

### For emergency responders

Use personal protection recommended in Section 8.

### Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

### Methods and material for containment and cleaning up

#### Methods for containment

Prevent further leakage or spillage if safe to do so.

#### Methods for cleaning up

Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

## Section 7: HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Never use pressure to empty container. Comply with the health and safety at work laws. Prevent product from entering drains. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

#### General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorized personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place.

#### Incompatible materials

Strong oxidizing agents. Acids.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
n-Butyl acetate 123-86-4	STEL: 200 ppm TWA: 150 ppm	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup>	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>

Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
1-Butanol 71-36-3	TWA: 20 ppm	TWA: 100 ppm TWA: 300 mg/m <sup>3</sup>	IDLH: 1400 ppm Ceiling: 50 ppm Ceiling: 150 mg/m <sup>3</sup>
Rutile (TiO <sub>2</sub> ) 1317-80-2	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust	IDLH: 5000 mg/m <sup>3</sup>
Isobutyl alcohol 78-83-1	TWA: 50 ppm	TWA: 100 ppm TWA: 300 mg/m <sup>3</sup>	IDLH: 1600 ppm TWA: 50 ppm TWA: 150 mg/m <sup>3</sup>
Toluene 108-88-3	TWA: 20 ppm	TWA: 200 ppm Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
Formaldehyde 50-00-0	Ceiling: 0.3 ppm	TWA: 0.75 ppm STEL: 2 ppm see 29 CFR 1910.1048	IDLH: 20 ppm Ceiling: 0.1 ppm 15 min TWA: 0.016 ppm

### **Appropriate engineering controls**

#### **Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

### **Individual protection measures, such as personal protective equipment**

#### **Eye/face protection**

Tight sealing safety goggles.

#### **Skin and body protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing. Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

#### **Hand Protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance. Wear protective gloves.

#### **Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### **Thermal Protection**

No information available

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

<b>Physical state</b>	liquid
<b>Appearance</b>	No information available
<b>Odor</b>	Solvent
<b>Color</b>	white
<b>Odor Threshold</b>	No information available
<b>pH value</b>	No information available
<b>Melting point/freezing point</b>	No information available
<b>Boiling point / boiling range</b>	No information available °C / °F

flash point	23 °C / 73 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor Pressure	No information available
vapor density	No information available
Density (lbs per US gallon)	8.52
specific gravity	1.02
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

#### Other information

### Section 10: STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	None under normal processing.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong oxidizing agents. Acids.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Chlorine gas.

### Section 11: TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### **Eye contact**

Causes serious eye damage

##### **Skin Contact**

Causes skin irritation

May cause an allergic skin reaction

##### **Ingestion**

May be fatal if swallowed and enters airways

##### **Inhalation**

May cause drowsiness or dizziness

#### Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
n-Butyl acetate 123-86-4	= 10768 mg/kg ( Rat )	> 17600 mg/kg ( Rabbit )	= 390 ppm ( Rat ) 4 h
Xylenes 1330-20-7	= 3500 mg/kg ( Rat )	> 1700 mg/kg ( Rabbit ) > 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h
Ethylbenzene 100-41-4	= 3500 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h
1-Butanol 71-36-3	= 700 mg/kg ( Rat ) = 790 mg/kg ( Rat )	= 3402 mg/kg ( Rabbit ) = 3400 mg/kg ( Rabbit )	> 8000 ppm ( Rat ) 4 h
Rutile (TiO <sub>2</sub> ) 1317-80-2	> 10000 mg/kg ( Rat )	-	-
Isobutyl alcohol 78-83-1	= 2460 mg/kg ( Rat )	= 3400 mg/kg ( Rabbit )	> 6.5 mg/L ( Rat ) 4 h

Toluene 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Butyl methacrylate 97-88-1	= 16 g/kg ( Rat )	= 10181 mg/kg ( Rabbit )	= 4910 ppm ( Rat ) 4 h
Formaldehyde 50-00-0	= 100 mg/kg ( Rat )	= 270 mg/kg ( Rabbit )	= 0.578 mg/L ( Rat ) 4 h

#### **Numerical measures of toxicity - Product Information**

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

<b>ATEmix (oral)</b>	12199 Mg/kg
<b>ATEmix (dermal)</b>	5938 Mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	6.3 mg/l
<b>ATEmix (inhalation-vapor)</b>	46 mg/l

**UNKNOWN ACUTE TOXICITY** 0% of the mixture consists of ingredient(s) of unknown toxicity.

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

#### **Carcinogenicity**

According to IARC, Volume 93, no significant exposure to primary particles of titanium dioxide is thought to occur from use in paints since the pigment is bound to other materials.

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Ethylbenzene 100-41-4	A3	Group 2B		X
Rutile (TiO <sub>2</sub> ) 1317-80-2		Group 2B		X
Formaldehyde 50-00-0	A2	Group 1	Known	X

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A3 - Animal Carcinogen. A2 - Suspected Human Carcinogen.*

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans. Group 1 - Carcinogenic to Humans.*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen.*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present.*

<b>Skin corrosion/irritation</b>	Causes skin irritation
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage
<b>Skin sensitization</b>	May cause an allergic skin reaction
<b>Respiratory sensitization</b>	Not applicable
<b>Germ cell mutagenicity</b>	Not applicable
<b>Carcinogenicity</b>	Suspected of causing cancer
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child
<b>Specific target organ toxicity (single exposure)</b>	May cause drowsiness or dizziness
<b>Specific target organ toxicity (repeated exposure)</b>	May cause damage to organs through prolonged or repeated exposure
<b>Aspiration hazard</b>	Not applicable

## **Section 12: ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Environmental precautions Prevent product from entering drains.

#### **Persistence and degradability**

No information available

#### **Bioaccumulation**

No information available

#### **Mobility**

No information available

**Other adverse effects** No information available

### Section 13: DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

### Section 14: TRANSPORT INFORMATION

<b>14.1 UN/ID no</b>	<b>DOT</b> UN1263	<b>IMDG</b> UN1263	<b>IATA</b> UN1263
<b>14.2 Proper shipping name</b>	Paint	Paint	Paint
<b>14.3 Hazard Class</b>	3	3	3
<b>14.4 Packing Group</b>	III	III	III
<b>14.5 Environmental hazard</b>	Not applicable		
<b>14.6 Special Provisions</b>	B1, B52, IB3, T2, TP1, TP29, 367	163, 223, 367 955	A3, A72, A192
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	<b>Emergency Response Guide Number</b> 128	<b>EmS-No</b> F-E, S-E	No information available

*The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.*

### Section 15: REGULATORY INFORMATION

#### International Inventories

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory All components are listed or exempt from listing.

**DSL** - Canadian Domestic Substances List All components are listed or exempt from listing.

#### US Federal Regulations

Chemical Name	SARA 313 - Threshold Values %	Hazardous air pollutants (HAPs) content
Xylenes 1330-20-7 10 - 25	1	Present
Ethylbenzene 100-41-4 5 - 10	0.1	Present
1-Butanol 71-36-3 3 - 5	1	
Toluene 108-88-3 0.1 - 0.3	1	Present

#### SARA 311/312 Hazard Categories

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

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
n-Butyl acetate 123-86-4	5000 lb			X
Xylenes 1330-20-7	100 lb			X
Ethylbenzene 100-41-4	1000 lb	X	X	X
Toluene 108-88-3	1000 lb	X	X	X
Formaldehyde 50-00-0	100 lb			X

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
n-Butyl acetate 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Xylenes 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
Ethylbenzene 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
1-Butanol 71-36-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Isobutyl alcohol 78-83-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Toluene 108-88-3	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Formaldehyde 50-00-0	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

## US State Regulations

### **Rule 66 status of product**

Photochemically reactive.

### **California Proposition 65**

WARNING! This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

### U.S. EPA Label information

**EPA Pesticide registration number** Not applicable

### U.S. State Right-to-Know Regulations

Chemical Name
n-Butyl acetate 123-86-4
Xylenes 1330-20-7
Proprietary Non-Hazardous Ingredient - Proprietary CAS
Proprietary Inert
Proprietary Non-Hazardous Ingredient - Proprietary CAS
Proprietary Non-Hazardous Ingredient - Proprietary CAS
Ethylbenzene 100-41-4
1-Butanol 71-36-3
Rutile (TiO <sub>2</sub> ) 1317-80-2
Isobutyl alcohol 78-83-1

Toluene 108-88-3
Formaldehyde 50-00-0

**Section 16: OTHER INFORMATION**

**HMIS**

**Health hazards** 3\*  
\* = Chronic Health Hazard

**Flammability** 3  
**Physical hazards** 0  
**Personal Protection** X

**Supplier Address**

Valspar Coatings  
701 Shiloh Rd.  
Garland, TX 75042  
972-276-5181

**Prepared By** Product Stewardship

**Revision date** 21-Feb-2017  
**Revision Note** No information available

**Disclaimer**

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. **UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER 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. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

**End of Safety Data Sheet**