



SAFETY DATA SHEET

Revision date 28-Jan-2016

Version 1

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name Low VOC Basecoat Series Mixed Colors
Product Code LVBRSERIES
UN/ID no UN1263
Recommended Use Paint, Coatings

Details of the supplier of the safety data sheet

See section 16 for more information

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Section 2: HAZARDS IDENTIFICATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

HAZARD STATEMENTS

Flammable liquid and vapor.

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

WHMIS Hazard Class

B2 - Flammable liquid
D2A - Very toxic materials
D2B - Toxic materials



Signal word

DANGER

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PREVENTION

Contaminated work clothing should not be allowed out of the workplace Use only outdoors or in a well-ventilated area Take precautionary measures against static discharge Obtain special instructions before use Wear protective gloves/protective clothing/eye protection/face protection Keep container tightly closed Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Use only non-sparking tools Wash face, hands and any exposed skin thoroughly after handling Use explosion-proof electrical/ ventilating/ lighting/ equipment Do not handle until all safety precautions have been read and understood Ground/bond container and receiving equipment

RESPONSE

IF exposed or concerned: Get medical advice/attention

Eyes

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin

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

Inhalation

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

Ingestion

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

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

STORAGE

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

DISPOSAL

Dispose of contents/containers in accordance with local regulations

This document represents the broadest array of ingredient composition, hazard, and precautionary information for coatings produced from specified components of this Valspar product series and mixed according to Valspar instructions. The information presented in this SDS may overstate the actual ingredients contained in and the hazards and precautionary warnings recommended for the particular coating for which it is provided.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	weight-%
Benzene, 1-chloro-4-(trifluoromethyl)-	98-56-6	21 - 44
Methyl acetate	79-20-9	17 - 36
Titanium dioxide	13463-67-7	0 - 27
n-Butyl acetate	123-86-4	0 - 23
Talc	14807-96-6	0 - 19
Iron hydroxide oxide	20344-49-4	0 - 16
Xylenes	1330-20-7	0 - 12
Iron oxide (Fe ₂ O ₃)	1309-37-1	0 - 10
Aluminum	7429-90-5	0 - 7
C.I. Pigment Green 7	1328-53-6	0 - 7
C.I. Pigment Green 36	14302-13-7	0 - 6
Methyl n-amyl ketone	110-43-0	0 - 6
C.I. Pigment Blue 15	147-14-8	0 - 6
Acetone	67-64-1	2 - 6
Naphtha, petroleum, hydrotreated heavy	64742-48-9	0 - 5
2-Pentanone, 4-methyl-	108-10-1	0 - 5
Solvent naphtha, petroleum, light aromatic	64742-95-6	0 - 4
Ethylbenzene	100-41-4	0 - 3
Carbon black	1333-86-4	0 - 3
m-Xylene	108-38-3	0 - 3
Barium sulfate	7727-43-7	0 - 3
C.I. Pigment Yellow 129	15680-42-9	0 - 2
Stoddard solvent	8052-41-3	0 - 2
Benzene, 1,2,4-trimethyl-	95-63-6	0 - 2
Toluene	108-88-3	0 - 2

p-Xylene	106-42-3	0 - 1
2-Butanone, oxime	96-29-7	0 - 0.3
Quartz	14808-60-7	0 - 0.2
Proprietary Additive	UNKNOWN	0 - 0.3
Reaction Product Of Methyl Benzotriazol And PEG 300	104810-48-2	0 - 0.1
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0 - 0.1

Section 4: FIRST AID MEASURES

First Aid Measures

General advice

IF exposed or concerned: Get medical advice/attention

Eye contact

If eye irritation persists: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact

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

Inhalation

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

Ingestion

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

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

Flammable properties Flammable liquid.

flash point -4 °F / -20 °C

Upper flammability limit: No information available

Lower flammability limit: No information available

Autoignition temperature No information available

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Suitable extinguishing media

Dry chemical, CO₂, water spray or alcohol-resistant foam.

Not to be used for safety reasons: Strong water jet

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

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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. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal. Keep product and empty container away from heat and sources of ignition.

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

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.

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 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

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. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

General Hygiene Considerations

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

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.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Exposure Limits

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

Chemical Name	ACGIH TLV	Alberta	British Columbia	Ontario TWA	Quebec	OSHA PEL
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Benzene, 1-chloro-4-(trifluoromethyl)- 98-56-6	TWA: 2.5 mg/m ³ F	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust
Methyl acetate 79-20-9	STEL: 250 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 606 mg/m ³ STEL: 250 ppm STEL: 757 mg/m ³	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 606 mg/m ³ STEL: 250 ppm STEL: 757 mg/m ³	TWA: 200 ppm TWA: 610 mg/m ³
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust
n-Butyl acetate 123-86-4	STEL: 200 ppm TWA: 150 ppm	TWA: 150 ppm TWA: 713 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	TWA: 20 ppm	TWA: 150 ppm STEL: 200 ppm	TWA: 150 ppm TWA: 713 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³	TWA: 150 ppm TWA: 710 mg/m ³
Talc 14807-96-6	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 2 mg/m ³	TWA: 3 mg/m ³	TWA: 20 mppcf if 1% Quartz or more, use Quartz limit
Iron hydroxide oxide 20344-49-4	TWA: 1 mg/m ³ Fe	TWA: 1 mg/m ³	TWA: 1 mg/m ³ STEL: 2 mg/m ³	TWA: 1 mg/m ³	TWA: 1.0 mg/m ³	
Xylenes 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Iron oxide (Fe2O3) 1309-37-1	TWA: 5 mg/m ³ respirable fraction	TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³ TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³	TWA: 10 mg/m ³ fume TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
Aluminum 7429-90-5	TWA: 1 mg/m ³ respirable fraction	TWA: 10 mg/m ³	TWA: 1.0 mg/m ³	TWA: 1 mg/m ³	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
C.I. Pigment Green 7 1328-53-6	TWA: 1 mg/m ³ Cu dust and mist					
C.I. Pigment Green 36 14302-13-7	TWA: 1 mg/m ³ Cu dust and mist					
Methyl n-amyl ketone 110-43-0	TWA: 50 ppm	TWA: 50 ppm TWA: 233 mg/m ³	TWA: 50 ppm	TWA: 25 ppm TWA: 115 mg/m ³	TWA: 50 ppm TWA: 233 mg/m ³	TWA: 100 ppm TWA: 465 mg/m ³
C.I. Pigment Blue 15 147-14-8	TWA: 1 mg/m ³ Cu dust and mist					
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 500 ppm TWA: 1200 mg/m ³ STEL: 750 ppm STEL: 1800 mg/m ³	TWA: 250 ppm STEL: 500 ppm	TWA: 500 ppm STEL: 750 ppm	TWA: 500 ppm TWA: 1190 mg/m ³ STEL: 1000 ppm STEL: 2380 mg/m ³	TWA: 1000 ppm TWA: 2400 mg/m ³
2-Pentanone, 4-methyl- 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 307 mg/m ³	TWA: 20 ppm STEL: 75 ppm	TWA: 20 ppm STEL: 75 ppm	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 307 mg/m ³	TWA: 100 ppm TWA: 410 mg/m ³
Ethylbenzene 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³	TWA: 20 ppm	TWA: 20 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 125 ppm STEL: 543 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Carbon black 1333-86-4	TWA: 3 mg/m ³ inhalable fraction	TWA: 3.5 mg/m ³	TWA: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³
m-Xylene 108-38-3	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Barium sulfate 7727-43-7	TWA: 5 mg/m ³ inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 3 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction
C.I. Pigment Yellow 129 15680-42-9	TWA: 1 mg/m ³ Cu dust and mist					
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 100 ppm TWA: 572 mg/m ³	TWA: 290 mg/m ³ STEL: 580 mg/m ³	TWA: 525 mg/m ³	TWA: 100 ppm TWA: 525 mg/m ³	TWA: 500 ppm TWA: 2900 mg/m ³

Benzene, 1,2,4-trimethyl- 95-63-6	TWA: 25 ppm	TWA: 25 ppm TWA: 123 mg/m ³	TWA: 25 ppm	TWA: 25 ppm	TWA: 25 ppm TWA: 123 mg/m ³	
Toluene 108-88-3	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ S*	TWA: 20 ppm Adverse reproductive effect	TWA: 20 ppm	TWA: 50 ppm TWA: 188 mg/m ³ S*	TWA: 200 ppm Ceiling: 300 ppm
p-Xylene 106-42-3	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 434 mg/m ³ STEL: 150 ppm STEL: 651 mg/m ³	TWA: 100 ppm TWA: 435 mg/m ³
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction	TWA: 0.025 mg/m ³	TWA: 0.025 mg/m ³	TWA: 0.10 mg/m ³	TWA: 0.1 mg/m ³	TWA: (30)/(%SiO ₂ + 2) mg/m ³ TWA total dust TWA: (250)/(%SiO ₂ + 5) mppcf TWA respirable fraction TWA: (10)/(%SiO ₂ + 2) mg/m ³ TWA respirable fraction

Engineering Controls

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

Personal Protective Equipment

Eye/face protection

Tight sealing safety goggles.

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.

Skin and body protection

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

Respiratory protection

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

Thermal Protection

No information available

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid
Appearance	No information available
Odor	Solvent
Color	No information available
Odor Threshold	No information available
pH value	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	56.05 °C / 133 °F
flash point	-20 °C / -4 °F
evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	

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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)	9.08
specific gravity	1.09
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

Stability	Stable under normal conditions.
Incompatible materials	Water. Bases. Strong bases. Strong oxidizing agents. Strong acids. Acids. Strong reducing agents. Alkali. Aluminum. Combustible material. Hydrazine.
Conditions to avoid	Heat, flames and sparks.
Hazardous Decomposition Products	Carbon monoxide. Carbon dioxide (CO ₂). Nitrogen oxides (NO _x). Hydrogen chloride. Oxides of sulfur. Chlorine.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Information on likely routes of exposure

Eye contact

Causes serious eye irritation

Skin Contact

May cause an allergic skin reaction

Causes skin irritation

Ingestion

May be fatal if swallowed and enters airways

Inhalation

May cause respiratory irritation

May cause drowsiness or dizziness

Numerical measures of toxicity - Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzene, 1-chloro-4-(trifluoromethyl)-	= 13 g/kg (Rat)	> 2 mL/kg (Rabbit)	= 33 mg/L (Rat) 4 h
Methyl acetate	> 5000 mg/kg (Rat)	> 5 g/kg (Rabbit)	= 16000 ppm (Rat) 4 h
Titanium dioxide	> 10000 mg/kg (Rat)	-	-
n-Butyl acetate	= 14.13 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Talc	-	-	-
Iron hydroxide oxide	> 10000 mg/kg (Rat)	-	-
Xylenes	= 3500 mg/kg (Rat)	> 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
Iron oxide (Fe ₂ O ₃)	> 10000 mg/kg (Rat)	-	-
Aluminum	-	-	-

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C.I. Pigment Green 7	> 3000 mg/kg (Rat)	-	-
C.I. Pigment Green 36	-	-	-
Methyl n-amyl ketone	= 1600 mg/kg (Rat)	= 12.6 mL/kg (Rabbit)	> 2000 ppm (Rat) 4 h
C.I. Pigment Blue 15	-	-	-
Acetone	-	-	= 50100 mg/m ³ (Rat) 8 h
Naphtha, petroleum, hydrotreated heavy	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	-
2-Pentanone, 4-methyl-	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
Solvent naphtha, petroleum, light aromatic	-	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Ethylbenzene	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h
Carbon black	-	-	-
m-Xylene	= 5000 mg/kg (Rat)	-	-
Barium sulfate	-	-	-
C.I. Pigment Yellow 129	-	-	-
Stoddard solvent	-	-	-
Benzene, 1,2,4-trimethyl-	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m ³ (Rat) 4 h
Toluene	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
p-Xylene	= 4029 mg/kg (Rat)	-	= 4740 ppm (Rat) 4 h
2-Butanone, oxime	= 930 mg/kg (Rat)	= 0.2 mg/kg (Rabbit)	= 20 mg/L (Rat) 4 h
Quartz	= 500 mg/kg (Rat)	-	-
Proprietary Additive	-	-	-
Reaction Product Of Methyl Benzotriazol And PEG 300	-	-	-
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	= 2615 mg/kg (Rat)	-	-

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

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

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

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide		Group 2B		X
2-Pentanone, 4-methyl-	A3	Group 2B		X
Ethylbenzene	A3	Group 2B		X
Carbon black	A3	Group 2B		X
Quartz	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

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

X - Present

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Environmental precautions Prevent product from entering drains.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Benzene, 1-chloro-4-(trifluoromethyl)-	-	-	= 3.68 mg/L Daphnia magna 48h EC50
Methyl acetate	> 120 mg/L <i>Desmodesmus subspicatus</i> 72 h EC50	250 - 350 mg/L <i>Brachydanio rerio</i> 96h LC50 295 - 348 mg/L <i>Pimephales promelas</i> 96h LC50	= 1026.7 mg/L <i>Daphnia magna</i> 48h EC50
Titanium dioxide	-	-	-
n-Butyl acetate	= 674.7 mg/L <i>Desmodesmus subspicatus</i> 72 h EC50	= 100 mg/L <i>Lepomis macrochirus</i> 96h LC50 17 - 19 mg/L <i>Pimephales promelas</i> 96h LC50	-
Talc	-	> 100 g/L <i>Brachydanio rerio</i> 96h LC50	-
Iron hydroxide oxide	-	-	-
Xylenes	-	7.711 - 9.591 mg/L <i>Lepomis macrochirus</i> 96h LC50 23.53 - 29.97 mg/L <i>Pimephales promelas</i> 96h LC50 = 780 mg/L <i>Cyprinus carpio</i> 96h LC50 > 780 mg/L <i>Cyprinus carpio</i> 96h LC50 30.26 - 40.75 mg/L <i>Poecilia reticulata</i> 96h LC50 = 19 mg/L <i>Lepomis macrochirus</i> 96h LC50 = 13.4 mg/L <i>Pimephales promelas</i> 96h LC50 2.661 - 4.093 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 13.5 - 17.3 mg/L <i>Oncorhynchus mykiss</i> 96h LC50 13.1 - 16.5 mg/L <i>Lepomis macrochirus</i> 96h LC50	= 0.6 mg/L <i>Gammarus lacustris</i> 48h LC50 = 3.82 mg/L water flea 48h EC50
Iron oxide (Fe2O3)	-	-	-
Aluminum	-	-	-
C.I. Pigment Green 7	-	= 752.4 mg/L <i>Lepomis macrochirus</i> 96h LC50	-
C.I. Pigment Green 36	-	-	-
Methyl n-amyl ketone	-	126 - 137 mg/L <i>Pimephales promelas</i> 96h LC50	-
C.I. Pigment Blue 15	-	-	-
Acetone	-	6210 - 8120 mg/L <i>Pimephales promelas</i> 96h LC50 = 8300 mg/L <i>Lepomis macrochirus</i> 96h LC50 4.74 - 6.33 mL/L <i>Oncorhynchus mykiss</i> 96h LC50	12600 - 12700 mg/L <i>Daphnia magna</i> 48h EC50 10294 - 17704 mg/L <i>Daphnia magna</i> 48h EC50
Naphtha, petroleum, hydrotreated heavy	-	= 2200 mg/L <i>Pimephales promelas</i> 96h LC50	-

2-Pentanone, 4-methyl-	= 400 mg/L Pseudokirchneriella subcapitata 96 h EC50	496 - 514 mg/L Pimephales promelas 96h LC50	= 170 mg/L Daphnia magna 48h EC50
Solvent naphtha, petroleum, light aromatic	-	= 9.22 mg/L Oncorhynchus mykiss 96h LC50	= 6.14 mg/L Daphnia magna 48h EC50
Ethylbenzene	1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50	9.1 - 15.6 mg/L Pimephales promelas 96h LC50 = 9.6 mg/L Poecilia reticulata 96h LC50 = 32 mg/L Lepomis macrochirus 96h LC50 7.55 - 11 mg/L Pimephales promelas 96h LC50 = 4.2 mg/L Oncorhynchus mykiss 96h LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96h LC50	1.8 - 2.4 mg/L Daphnia magna 48h EC50
Carbon black	-	-	-
m-Xylene	= 4.9 mg/L Pseudokirchneriella subcapitata 72 h EC50	= 780 mg/L Cyprinus carpio 96h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96h LC50 = 8.4 mg/L Oncorhynchus mykiss 96h LC50 = 19 mg/L Lepomis macrochirus 96h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96h LC50 14.3 - 18 mg/L Pimephales promelas 96h LC50 = 13.4 mg/L Pimephales promelas 96h LC50 23.53 - 29.97 mg/L Pimephales promelas 96h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96h LC50 = 12.9 mg/L Poecilia reticulata 96h LC50 > 780 mg/L Cyprinus carpio 96h LC50	2.81 - 5.0 mg/L Daphnia magna 48h EC50 = 0.6 mg/L Gammarus lacustris 48h LC50 = 3.82 mg/L water flea 48h EC50
Barium sulfate	-	-	-
C.I. Pigment Yellow 129	-	-	-
Stoddard solvent	-	-	-
Benzene, 1,2,4-trimethyl-	-	7.19 - 8.28 mg/L Pimephales promelas 96h LC50 = 7.72 mg/L Pimephales promelas 96h LC50	= 6.14 mg/L Daphnia magna 48h EC50

Toluene	= 12.5 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50	15.22 - 19.05 mg/L Pimephales promelas 96h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96h LC50 = 28.2 mg/L Poecilia reticulata 96h LC50 = 54 mg/L Oryzias latipes 96h LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96h LC50 = 5.8 mg/L Oncorhynchus mykiss 96h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96h LC50 5.89 - 7.81 mg/L Oncorhynchus mykiss 96h LC50 = 12.6 mg/L Pimephales promelas 96h LC50	5.46 - 9.83 mg/L Daphnia magna 48h EC50 = 11.5 mg/L Daphnia magna 48h EC50
p-Xylene	= 3.2 mg/L Pseudokirchneriella subcapitata 72 h EC50	= 8.8 mg/L Poecilia reticulata 96h LC50 = 2.6 mg/L Oncorhynchus mykiss 96h LC50 7.2 - 9.9 mg/L Pimephales promelas 96h LC50 = 780 mg/L Cyprinus carpio 96h LC50 23.53 - 29.97 mg/L Pimephales promelas 96h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96h LC50 = 19 mg/L Lepomis macrochirus 96h LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96h LC50 = 13.4 mg/L Pimephales promelas 96h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96h LC50 > 780 mg/L Cyprinus carpio 96h LC50	= 0.6 mg/L Gammarus lacustris 48h LC50 3.55 - 6.31 mg/L Daphnia magna 48h EC50 = 3.82 mg/L water flea 48h EC50
2-Butanone, oxime	= 83 mg/L Desmodesmus subspicatus 72 h EC50	777 - 914 mg/L Pimephales promelas 96h LC50 = 760 mg/L Poecilia reticulata 96h LC50	= 750 mg/L Daphnia magna 48h EC50
Quartz	-	-	-
Proprietary Additive	-	-	-
Reaction Product Of Methyl Benzotriazol And PEG 300	-	-	-
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	-	= 0.97 mg/L Lepomis macrochirus 96h LC50	-

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Chemical Name	Partition Coefficient (n-octanol/water)
Benzene, 1-chloro-4-(trifluoromethyl)-	3.7
Methyl acetate	0.18
Titanium dioxide	-
n-Butyl acetate	1.81
Talc	-
Iron hydroxide oxide	-

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Xylenes	3.15
Iron oxide (Fe2O3)	-
Aluminum	-
C.I. Pigment Green 7	-
C.I. Pigment Green 36	-
Methyl n-amyl ketone	1.98
C.I. Pigment Blue 15	6.6
Acetone	-0.24
Naphtha, petroleum, hydrotreated heavy	-
2-Pentanone, 4-methyl-	1.19
Solvent naphtha, petroleum, light aromatic	-
Ethylbenzene	3.118
Carbon black	-
m-Xylene	3.2
Barium sulfate	-
C.I. Pigment Yellow 129	-
Stoddard solvent	-
Benzene, 1,2,4-trimethyl-	3.63
Toluene	2.65
p-Xylene	3.15
2-Butanone, oxime	0.65
Quartz	-
Proprietary Additive	-
Reaction Product Of Methyl Benzotriazol And PEG 300	-
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	0.37

Section 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products 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.

Section 14: TRANSPORT INFORMATION

UN/ID no	<u>TDG</u>	<u>IMDG</u>	<u>IATA</u>
	UN1263	UN1263	UN1263
Proper shipping name	Paint	Paint	Paint
Hazard Class	3	3	3
Packing Group	II	II	II
Environmental hazard	Not applicable		
Special Provisions		163 EmS-No F-E, S-E	A3, A72
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			No information available

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class

B2 - Flammable liquid
D2A - Very toxic materials
D2B - Toxic materials



Chemical Name	Canada - 2013 NPRI (National Pollutant Release Inventory)
Benzene, 1-chloro-4-(trifluoromethyl)-	Part 4 Substance
Methyl acetate	Part 4 Substance
n-Butyl acetate	Part 5, Individual Substances
Xylenes	Part 1, Group A Substance Part 5, Isomer Groups
Aluminum	Part 1, Group A Substance
C.I. Pigment Green 7	Part 1, Group A Substance
C.I. Pigment Green 36	Part 1, Group A Substance
Methyl n-amyl ketone	Part 4 Substance
C.I. Pigment Blue 15	Part 1, Group A Substance
Acetone	Part 4 Substance
Naphtha, petroleum, hydrotreated heavy	Part 5, Other Groups and Mixtures
2-Pentanone, 4-methyl-	Part 1, Group A Substance Part 5, Individual Substances
Solvent naphtha, petroleum, light aromatic	Part 5, Other Groups and Mixtures
Ethylbenzene	Part 1, Group A Substance
m-Xylene	Part 1, Group A Substance Part 5, Isomer Groups
C.I. Pigment Yellow 129	Part 1, Group A Substance
Stoddard solvent	Part 5, Other Groups and Mixtures
Benzene, 1,2,4-trimethyl-	Part 1, Group A Substance Part 5, Individual Substances
Toluene	Part 1, Group A Substance Part 5, Individual Substances
p-Xylene	Part 1, Group A Substance Part 5, Isomer Groups

GHS - Classification

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

Label elements



Signal word

DANGER

HAZARD STATEMENTS

Highly flammable liquid and vapor

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

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. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. 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. If eye irritation persists: Get medical advice/attention.

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 CO₂, 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)

Not applicable.

OTHER HAZARDS

Harmful to aquatic life with long lasting effects. spontaneously combustible material. Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials should be soaked in water and placed in a closed metal container before disposal.

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

Section 16: OTHER INFORMATION

HMIS

Health hazards 3*

* = Chronic Health Hazard

Flammability 3

Physical hazards 1

Personal Protection X

Supplier Address

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

Product Code LVBR SERIES

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Prepared By

Product Stewardship

Revision date

28-Jan-2016

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