

SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Rust Shield QD Alkyd Metal Primer Gray
Product Code:	1131
Product Use:	Primer

Manufacturer
Richard's Paint
200 Paint Street
Rockledge, Florida,
800-432-0983

24 Hour Emergency Telephone Number
CHEMTEL (US): (800)255-3924
CHEMTEL (International): (813)248-0585

2. HAZARDS IDENTIFICATION

Classification:	This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Aspiration Toxicity: Category 1 Carcinogenicity: Category 1A Germ Cell Mutagenicity: Category 1B Flammable Liquid: Category 2 Reproductive Toxicity: Category 1B
Signal Word:	Danger
Pictograms:	
Hazard Statements:	H225: Highly flammable liquid and vapor H304: May be fatal if swallowed and enters airways H340: May cause genetic defects H350: May cause cancer H360: May damage fertility or the unborn child

Prevention Precautionary Statements:	P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P233: Keep container tightly closed P240: Ground/bond container and receiving equipment P241: Use explosion-proof electrical/ventilating/lighting equipment P242: Use only non-sparking tools P243: Take precautionary measures against static discharge P281: Use personal protective equipment as required
Response Precautionary Statements:	P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+313: IF exposed: Call a POISON CENTER or doctor/physician P370+378: In case of fire: Use CO ₂ , dry chemical, or foam to extinguish P331: Do NOT induce vomiting
Storage Precautionary Statements:	P405: Store locked up P403+235: Store in a well ventilated place. Keep cool.
Disposal Precautionary Statements:	P501: Dispose of contents/container to an approved waste disposal plant
Hazards Not Otherwise Classified:	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Calcium carbonate	30% to 40%	1317-65-3
Xylenes (isomers and mixture)	10% to 20%	1330-20-7
tert-butyl acetate	5% to 10%	540-88-5
Talc	5% to 10%	14807-96-6
Solvent naphtha, light aromatic	5% to 10%	67472-95-6
Ethylbenzene	1% to 5%	100-41-4
Titanium dioxide	1% to 5%	13463-67-7
Zinc phosphate	1% to 5%	7779-90-0
1,2,4-trimethylbenzene	1% to 5%	95-63-6
Crystalline silica	0% to 1%	14808-60-7
Cumene	0% to 1%	98-82-8
Docusate sodium salt	0% to 1%	577-11-7
Methyl ethyl ketoxime	0% to 1%	96-29-7
Stoddard solvent (mineral spirits)	0% to 1%	8052-41-3

4. FIRST AID MEASURES

General Advice:	Call a physician if symptoms persist. Show SDS to physician.
Eyes:	Immediately flush with water. After initial flushing, remove contact lenses if applicable and continue flushing for at least 10 minutes. Keep eyes wide open while flushing. Consult a physician if symptoms persist.

Skin:	Remove contaminated clothing. Flush affected area with soap and water. Consult a physician if irritation persists. Wash contaminated clothing before re-use.
Ingestion:	Remove dentures if applicable and wash out mouth with water. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration and consult a physician immediately. Consult a physician if symptoms persist.
Most Important Symptoms/Effects:	No information available
Notes to Physician:	Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry powder, CO ₂ , water spray. Use measures suitable to the circumstances and environment.
Precautions for Firefighters:	Wear self-contained breathing apparatus and protective gear
Specific Hazards:	Product is combustible. Thermal decomposition may release irritating gases/vapors. Explosive vapors may collect in low or confined areas.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Remove all sources of ignition. Use proper personal protective equipment. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors.
Other Precautions:	If safe to do so, prevent additional spillage. Do not allow material to enter ground water, surface water, or sewer system. Consult local authorities if spillage cannot be contained.
Clean-Up Method:	Soak up with non-combustible absorbent material. Dispose of used absorbent in suitable containers. Thoroughly clean contaminated surface.

7. HANDLING AND STORAGE

Handling Precautions:	Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mists, or dust. Use only in areas with sufficient ventilation. Ground all metal equipment to prevent ignition of vapors by static discharge. Keep away from heat and ignition sources.
Storage Precautions:	Keep container upright, properly labeled, tightly closed, and out of reach of children in a cool, dry, well-ventilated area. Keep away from heat and ignition sources.
Incompatible Materials:	Strong acids, strong bases, strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

1,2,4-trimethylbenzene(95-63-6)		
ACGIH TWA:	25 ppm	--
NIOSH TWA:	25 ppm	125 mg/m ³
Calcium carbonate(1317-65-3)		
NIOSH TWA:	5 mg/m ³ (respirable fraction)	10 mg/m ³ (total dust)
OSHA PEL:	5 mg/m ³ (respirable fraction)	15 mg/m ³ (total dust)
Crystalline silica(14808-60-7)		

ACGIH TWA:	.025 mg/m ³	--
NIOSH TWA:	.05 mg/m ³	--
OSHA TWA:	10 mg/m ³ /%SiO ₂ +2	250 mppcf/%SiO ₂ +5
Cumene(98-82-8)		
ACGIH TWA:	50 ppm	--
NIOSH TWA:	50 ppm	245 mg/m ³
OSHA TWA:	50 ppm	245 mg/m ³
Ethylbenzene(100-41-4)		
ACGIH STEL:	125 ppm	--
ACGIH TWA:	20 ppm	--
NIOSH ST:	125 ppm	545 mg/m ³
NIOSH TWA:	100 ppm	435 mg/m ³
OSHA STEL:	125 ppm	545 mg/m ³
OSHA TWA:	100 ppm	435 mg/m ³
Methyl ethyl ketoxime(96-29-7)		
WEEL TWA:	10 ppm	--
Solvent naptha, light aromatic(67472-95-6)		
ACGIH:	100 ppm	--
OSHA:	100 ppm	--
Stoddard solvent (mineral spirits)(8052-41-3)		
ACGIH TWA:	100 ppm	--
NIOSH ceiling (15 min):	--	1800 mg/m ³
NIOSH TWA:	--	350 mg/m ³
OSHA TWA:	500 ppm	2900 mg/m ³
Talc(14807-96-6)		
ACGIH TWA:	2 mg/m ³	--
NIOSH TWA:	2 mg/m ³	--
OSHA TWA:	20 mppcf	--
tert-butyl acetate(540-88-5)		
ACGIH TWA:	200 ppm	--
NIOSH TWA:	200 ppm	950 mg/m ³
OSHA TWA:	200 ppm	950 mg/m ³
Titanium dioxide(13463-67-7)		
TWA:	ACGIH: 10 mg/m ³	OSHA: 15 mg/m ³
Xylenes (isomers and mixture)(1330-20-7)		
ACGIH STEL:	150 ppm	--
ACGIH TWA:	100 ppm	--
OSHA TWA:	100 ppm	435 mg/m ³

Engineering Measures:	Maintain adequate ventilation to keep exposure to airborne contaminants at safe levels. Use explosion-proof equipment.
Hygiene Measures:	No eating, drinking, or smoking while in use. Avoid contact with skin, eyes, and clothing. Wash hands, forearms, and face after handling. Wash contaminated clothing before re-use.
Eye/Face Protection:	Safety glasses/goggles
Skin Protection:	Protective gloves and long-sleeved protective clothing
Respiratory Protection:	NIOSH approved respirator if material is being used in a confined area, is being sprayed, or if exposure limits are exceeded

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Gray
Odor:	Solvent

Odor Threshold:	No information available
pH:	No information available
Melting Point (°F):	No information available
Boiling Point (°F):	No information available
Flash Point (°F):	81
Flash Point Method:	No information available
Evaporation Rate:	No information available
Flammability (Solid/Gas):	No information available
Flammability Limits:	No information available
Vapor Pressure (mm Hg):	No information available
Vapor Density:	No information available
Specific Gravity:	No information available
% Solubility in Water:	No information available
Octanol/Water Partition Coefficient:	No information available
Auto-Ignition Temperature (°F):	No information available
Decomposition Temperature (°F):	No information available
Viscosity (KU):	77-83
Volatile Organic Compounds (g/L):	402

10. STABILITY AND REACTIVITY

Reactivity:	No information available
Possibility of Hazardous Reactions:	None under normal conditions of use
Hazardous Decomposition Products:	Irritating vapors
Stability:	Stable under normal storage conditions
Incompatible Materials:	Strong acids, strong bases, strong oxidizing agents
Conditions to Avoid:	Heat, sparks, ignition sources

11. TOXICOLOGICAL INFORMATION

1,2,4-trimethylbenzene(95-63-6)	
Oral LD50 (rat):	6000 mg/kg
Cumene(98-82-8)	
NOAEL feed (rat):	>535.8 mg/kg
Oral LD50 (rat):	2260 mg/kg
Docusate sodium salt(577-11-7)	
LC50 Inhalation - rat	> 2,000 mg/m3
LD50 Dermal - rabbit	> 10,000 mg/kg
LD50 Oral - rat	> 3,000 mg/kg

Ethylbenzene(100-41-4)	
Dermal LD50 (rabbit):	15433 mg/kg
Oral LD50 (rat):	3500 mg/kg
Methyl ethyl ketoxime(96-29-7)	
Inhalation LC50 (rat, 4 hrs):	>4.83 mg/L
Oral LD50 (rat):	2326 mg/kg
Subcutaneous LD50 (rat):	2702 mg/kg
Solvent naptha, light aromatic(67472-95-6)	
Dermal LD50:	>3160 mg/kg
Oral LD50:	>3000 mg/kg
Stoddard solvent (mineral spirits)(8052-41-3)	
Dermal LD50 (rabbit):	>2000 mg/kg
Inhalation LC50 (rat, 4 hrs):	>5 mg/L
Oral LD50 (rat):	>5000 mg/kg
tert-butyl acetate(540-88-5)	
Dermal LD50 (rabbit):	>2000 mg/kg
Oral LD50 (rat):	4100 mg/kg
Titanium dioxide(13463-67-7)	
Dermal LD50 (rabbit):	>10000 mg/kg
Oral LD50 (rat):	>10000 mg/kg
Zinc phosphate(7779-90-0)	
Intraperitoneal LD50 (mouse):	552 mg/kg
Oral LD50 (rat):	>5000 mg/kg

Primary Routes of Exposure:	Eye contact, skin contact, inhalation
Acute Toxicity:	Repeated or prolonged exposure may to lead to permanent brain and nervous system damage. Inhalation of concentrated vapors may lead to death.

Exposure Effects	
Eye Contact:	No information available
Skin Contact:	No information available
Inhalation:	No information available
Ingestion:	No information available
Target Organ (Single Exposure):	No information available
Target Organ (Repeated Exposure):	No information available
Sensitization:	No information available
Carcinogenicity:	No information available
Mutagenicity:	No information available
Reproductive Toxicity:	No information available
Other:	No information available

12. ECOLOGICAL INFORMATION

1,2,4-trimethylbenzene(95-63-6)	
Flow-through LC50 (fathead minnow, 96 hrs):	7.72 mg/L
Static EC50 (water flea, 48 hrs):	3.6 mg/L
Cumene(98-82-8)	
EC50 (green algae, 72 hrs):	2.6 mg/L

EC50 (water flea, 48 hrs):	2.14 mg/L
LC50 (rainbow trout, 96 hrs):	4.8 mg/L
Docusate sodium salt(577-11-7)	
EC50 - Daphnia magna (Water flea)	10.3 mg/l - 48 h
LC50 - Danio rerio (zebra fish)	49 mg/l - 96 h
Ethylbenzene(100-41-4)	
Biodegradability (aerobic, 28 days):	70-80%
Flow-through LC50 (Atlantic silverside, 96 hrs):	5.1 mg/L
Static EC50 (Skeletonema costatum, 72 hrs):	4.9 mg/L
Static EC50 (water flea, 48 hrs):	1.8-2.4 mg/L
Methyl ethyl ketoxime(96-29-7)	
BCF (carp, 42 days, 2 mg/L):	0.5-0.6
Semi-static LC50 (Oryzias latipes, 96 hrs):	>100 mg/L
Static EC50 (freshwater algae, 72 hrs):	11.8 mg/L
Static EC50 (water flea, 48 hrs):	201 mg/L
Stoddard solvent (mineral spirits)(8052-41-3)	
Chronic growth NOELR (aquatic vertebrates):	2.6 mg/L
Chronic reproduction EL50 (water flea):	10 mg/L
Chronic reproduction NOELR (water flea):	2.6 mg/L
Chronic survival NOELR (aquatic vertebrates):	2.6 mg/L
Chronic survival NOELR (water flea):	16 mg/L
EL50 (oncorhynchus mykiss, 48 hrs):	32 mg/L
EL50 (scenedesmus subspicatus, 96 hrs):	45 mg/L
LL50 (oncorhynchus mykiss, 96 hrs):	8.2 mg/L
tert-butyl acetate(540-88-5)	
Biodegradability (aerobic, 28 days):	50%
Semi-static LC50 (rainbow trout, 96 hrs):	240 mg/L
Static EC50 (water flea, 48 hrs):	350 mg/L
Titanium dioxide(13463-67-7)	
EC50 (water flea, 48 hrs):	>1000 mg/L
LC50 (fish, 96 hrs):	>1000 mg/L
Zinc phosphate(7779-90-0)	
LC50 (rainbow trout, 96 hrs):	0.09 mg/L

Ecotoxicological Effects:	The environmental impact of this substance has not been fully evaluated
Persistence/Degradability:	No information available
Bioaccumulative Potential:	No information available
Environmental Mobility:	No information available
Other Effects:	No information available

13. DISPOSAL CONSIDERATIONS

Disposal Method:	Empty containers may contain flammable residue and vapors. Dispose of in accordance with federal, state, provincial, and local regulations.
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14. TRANSPORT INFORMATION

DOT	
Shipping Name:	Paint
Hazard Class:	3

UN No:	1263
Packing Group:	II

ICAO/IATA	
Shipping Name:	Paint
Hazard Class:	3
UN No:	1263
Packing Group:	II

IMDG/IMO	
Shipping Name:	Paint
Hazard Class:	3
UN No:	1263
Packing Group:	II

15. REGULATORY INFORMATION

TSCA (US):	Not all components are listed
DSL/NDSL (Canada):	Not all components are listed

311/312 Hazard Categories	
Fire:	Yes
Pressure Generating:	No
Reactivity:	No
Acute:	Yes
Chronic:	Yes

CERCLA Section 302	
Reportable Quantities:	Ethylbenzene, 1000 lbs Xylenes (isomers and mixture), 100 lbs tert-Butyl acetate, 5000 lbs Cumene, 5000 lbs

SARA 313			
Chemical Name	CAS Number	Max Weight %	de minimis limit
Xylenes (isomers and mixture)	1330-20-7	20	1.0
Ethylbenzene	100-41-4	5	0.1
1,2,4-trimethylbenzene	95-63-6	5	1.0

State Right-to-Know					
Chemical Name	CAS Number	MA	NJ	PA	RI
Calcium carbonate	1317-65-3	X	X	X	X
Xylenes (isomers and mixture)	1330-20-7	X	X	X	X
tert-butyl acetate	540-88-5	X	X	X	X
Talc	14807-96-6	X	X	X	X
Ethylbenzene	100-41-4	X	X	X	X
Titanium dioxide	13463-67-7	X	X	X	X
Zinc phosphate	7779-90-0		X	X	
1,2,4-trimethylbenzene	95-63-6	X	X	X	
Crystalline silica	14808-60-7		X	X	X

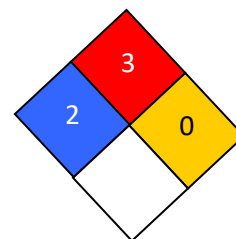
Cumene	98-82-8	X	X	X	X
Docusate sodium salt	577-11-7		X	X	
Methyl ethyl ketoxime	96-29-7		X	X	
Stoddard solvent (mineral spirits)	8052-41-3	X	X	X	X

California Proposition 65:	This product contains small amounts of materials known to the state of California to cause cancer or reproductive harm. Titanium dioxide and silicon dioxide (airborne, unbound particles of respirable size) are known to the state of California to cause cancer. This listing does not cover titanium dioxide or silicon dioxide when they remain bound within a product matrix.
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16. OTHER INFORMATION

HMIS RATING	
Health:	2*
Flammability:	3
Reactivity:	0
Personal Protection:	--

NFPA CODES



PPE rating has been left intentionally blank. Choose appropriate PPE based upon actual conditions of use.

Revision Indicator:	Revised 5/6/2022
Disclaimer:	The information contained in this Safety Data Sheet (SDS) is provided in good faith and is believed to be accurate as of the effective date listed. The information applies only to the product as provided and may not be valid if combined with other materials. No warranty is implied or given. The user is responsible for complying with all applicable laws and regulations.