



Spray Stone System



Safety Data



SECTION 1) CHEMICAL PRODUCT AND MANUFACTURERS IDENTIFICATION

Product ID:	RZ-UP-80-11615-8303MVB-F
Product Name:	Red Zone Universal Primer
Revision Date:	11/09/2015
Version:	2.0
Supplier Name:	GBR31
Emergency Phone:	Chemtrec (CCN1217): (800) 424 9300 (account:CCN1217)
Information Phone Number:	(214) 412-9898 E-mail: Support@RedZoneCC.com
Product/Recommended Uses:	For Further Information, Refer to the Product Technical Data Sheet.)

SECTION 2) HAZARDS IDENTIFICATION

Classification:	Not a Hazardous Substance or Mixture
Signal Word:	N/A
Hazardous Statements – Health and Environmental:	N/A
Precautionary Statements –	
General, Prevention, Response, Storage and Disposal:	N/A
Carcinogenicity:	

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Appearance:	Liquid
Color:	White
Odor:	Sweet

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture:	Mixture
Hazardous Ingredients:	Contains no hazardous ingredients according to the GHS.

SECTION 4) FIRST AID MEASURES

Inhalation:	Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.
Skin Contact:	Rinse/wash with lukewarm, gently flowing water and mild soap for 15–20 minutes or until product is removed. If skin irritation occurs or you feel unwell: get medical advice/attention. If exposed or concerned: get medical advice.
Eye Contact:	Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses. Continue rinsing for 15–20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Give 1 or 2 glasses of milk or water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.





SECTION 5) FIRE-FIGHTING PROCEDURES

Suitable Extinguishing Media:	Not combustible. Use measure that are appropriate to local circumstances and the surrounding environment. This product is an aqueous mixture that will not burn. Dried product film will burn in a fire.
Specific Hazards in Case of Fire:	Cool closed containers exposed to fire with water spray.
Fire-fighting Procedures:	N/A
Special Protective Actions:	N/A

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure:	N/A
Recommended Equipment:	N/A
Personal Precautions:	Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions:	No special environmental precautions required. Prevent product from entering drains.
Methods and Materials for Containment and Cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

SECTION 7) HANDLING AND STORAGE

General:	Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. Individuals with existing respiratory disease such as chronic bronchitis, emphysema, or asthma should not be exposed.
Ventilation Requirements:	Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.
Storage Room Requirements:	Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous. Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area. Store liquid in containers above ground and surround by dikes to contain spills or leaks. Do not Freeze.
Storage Temperature:	>=40 0F





SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly dispose of contaminated material, which cannot be decontaminated.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Use either an atmosphere supplying respirator or an air-purifying respirator for organic vapors.

Appropriate Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

None of the chemicals in Section 3 are regulated under "OSHA_Tables_Z1_Z2_Z3", "OSHA_Carcinogen - OSHA Carcinogen", "OS-HAtppm", "OSHAAtmg", "OSHASppm", "OSHASmg", "ACGIHtpm", "ACGIHtmg", "ACGIHsppm", "ACGIHsmg", "nioshtppm", "nioshtmg", "nioshsppm", "nioshsmg", "NIOSH_carcinogen", "OSHA_SkinDesignation", "ACGIH_carcinogen", "ACGIH_TLV_Basis", "ACGIH_Nota-tions"

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Milky White	Water Solubility	Dispersible	Freezing Point	32 °F
Density	8.70-9.0 lb/gal	Flammability	Not Flammable	Melting Point	32 °F
Specific Gravity	1.07	Flash Point Symbol	N.A.	Low Boiling Point	212 °C/414 °F
Solid Content, % weight	53-56	Flash Point	N.A.	High Boiling Point	N.A.
VOC % by weight	0.16	Viscosity	1,900-2,800 cP	Auto Ignition Temp	N.A.
Appearance	Clear Liquid	Lower Explosion Level	N.A.	Decomposition Pt	N.A.
Odor Threshold	N.A.	Upper Explosion Level	N.A.	Evaporation Rate	N.A.
Odor Description	Sweet	Vapor Pressure	N.A.	Coefficient Water/Oil	N.A.
pH	4.0-6.0	Vapor Density	N.A.		

SECTION 10) REACTIVITY DATA

Stability:

Material is stable at standard temperature and pressure.

Conditions to Avoid:

N/A

Hazardous Reactions/Polymerization:

Hazardous polymerization does not occur.

Incompatible Materials:

N/A

Hazardous Decomposition Products:

Stable under normal conditions.





SECTION 11) TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation:	Repeated skin contact may cause a persistent irritation or dermatitis. May also aggravate an existing skin condition.
Serious Eye Damage/Irritation:	No data available
Carcinogenicity:	No data available
Respiratory/Skin Sensitization:	Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12-24 hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness. May cause an allergic skin reaction. Acute toxicity estimate: > 5,000 mg/kg. Method: Calculation method.
Germ Cell Mutagenicity:	No data available.
Reproductive Toxicity:	No data available
Specific Target Organ Toxicity	
– Single Exposure:	No data available.
– Repeated Exposure:	Repeated exposure generally aggravates the following medical conditions : Cardiovascular disease and Chronic respiratory disease.
Aspiration Hazard:	No data available.
Acute Toxicity:	Acute toxicity estimate: > 5,000 mg/kg. Method: Calculation method.

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:	To the best of our knowledge, this product does not meet the hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincia authorities for more restrictive requirements. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.
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SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information:	Not regulated
IMDG Information:	N/A
IATA Information:	Not regulated



SECTION 15) REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Listed on the DSL or NDSL
REACH	Not in compliance with the inventory
AICS	On the inventory or in compliance with the inventory
NZIoC	Not in compliance with the inventory
ENCS	On the inventory or in compliance with the inventory
KECI	On the inventory or in compliance with the inventory
PICCS	On the inventory or in compliance with the inventory
IECSC	On the inventory or in compliance with the inventory
TWINV	On the inventory or in compliance with the inventory
Inventories Legend:	TSCA (USA), DSL (Canada), REACH (Europe), AICS (Australia), NZIOIC (New Zealand), ENCS (Japan), KECI (Korea), PICCS (Philippines), IECSC (China) TWINV (Taiwan)
SARA 311/312 Hazards:	No SARA Hazards
SARA 302:	No chemicals in this material are subject to the reporting requirements.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) report.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)

SECTION 16) OTHER INFORMATION

OTHER INFORMATION:

N/A

GLOSSARY:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; CA Prop65- California Proposition 65; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

DISCLAIMER:

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.





SECTION 1) CHEMICAL PRODUCT AND MANUFACTURERS IDENTIFICATION

Product ID: RZ-SSP-1981-11-D
Product Name: Red Zone Spray Stone Base, Spray, and Splatter Powder
Supplier Name: GBR31
Emergency Phone: Chemtrec (CCN1217): (800) 424-9300 (account:CCN1217)
Information Phone Number: (214) 412-9898 E-mail: Support@RedZoneCC.com
Product/Recommended Uses: For Further Information, Refer to the Product Technical Data Sheet.)

SECTION 2) HAZARDS IDENTIFICATION

HAZCOM Standard Status: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

Physical State: Powder
Color: Various
Classification of the substance or mixture: Not classified
Signal Word: No signal word.
Hazard Statements: No known significant effects or hazards. Hazard Not Otherwise Classified (HNOC)
Precautionary statements: None known.
Prevention: Not applicable.
Response: Not applicable.

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS no.: 51274-00-1 EINECS No.: 257-098-5	Iron Oxide Yellow Pigment	0-100%
Cas No.: 1309-37-1 Einecs No.: 215-168-2	Iron Oxide Red Pigment	0-100%
Cas No.: 1317-61-9 EINECSNo.: 215-277-5	Iron Oxide Black Pigment	0-100%
Cas No.: 72608-12-9, 1317-65-3	Limestone	0-100%
CAS No.: 1317-60-8	Iron Oxide / Natural	0-100%

Chemical Characterization: Synthetic iron oxide $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$ ($\alpha\text{-FeOOH}$), C. I. Pigment YELLOW 42 / $\text{Fe}_2\text{O}_3 \cdot \text{aH}_2\text{O}$, C. I. Pigment RED 101/ Fe_3O_4 , C. I. Pigment BLACK 11
Registration Number in REACH: 01-2119457554-33-0012/01-2119457614-35-0039/01-211945764628-0012
Substance/Mixture: Substance

SECTION 4) FIRST AID MEASURES

Description of first aid measures: Get medical attention if irritation occurs.
Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.
Inhalation: Move to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.
Ingestion: Wash out mouth with water. Move to fresh air and keep at rest in a position comfortable for breathing. If swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.





SECTION 4) Continued

Potential acute health effects:

Eye Contact:

May cause mechanical irritation (abrasion).

Inhalation:

No known significant effects or critical hazards.

Skin Contact:

May cause mechanical irritation (abrasion).

Ingestion:

No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Eye Contact/Inhalation/Skin Contact:

No specific data.

Ingestion:

No specific data.

Potential chronic health effects:

No known significant effects or critical hazards.

Notes to Physician:

Treat symptomatically. No specific treatment.

Protection of First-Aiders:

No special measures required.

SECTION 5) FIRE-FIGHTING PROCEDURES

Extinguishing media:

Suitable Extinguishing Media:

Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable Extinguishing Media:

None known.

Specific Hazards arising from the chemical:

No specific fire or explosion hazard.

Hazardous thermal decomposition products:

No specific data.

Special Protection Actions for Fire-Fighters:

Promptly isolate the scene, remove all persons from the vicinity. If there is a fire, no action shall be taken involving any personal risk or without suitable training.

Special Protective Equipment for Fire-Fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal protective equipment.

Environmental Precautions:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and Materials for Containment and Cleaning up:

Move containers from spill area. Approach release from upwind. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.

Reference to other sections:

Section 1 for emergency contact. Section 13 for waste disposal. Prevent entry into sewers, water courses, or confined areas.



SECTION 7) HANDLING AND STORAGE

Handling:	Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating and drinking. Put on appropriate personal protection equipment. Eating and drinking should be prohibited in areas where this material is handled and stored.
Storage:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:	No exposure limit value known.
Appropriate engineering controls:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Personal protection:	
Hygiene measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Respiratory protection:	Dust-protection mask.
Skin protection:	Wear suitable protective clothing and gloves. Suitable protective footwear.
Eye/face protection:	If contact with product is possible, wear safety glasses with side shields.
Medical Surveillance:	Not available.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid. (powder)
Color:	Various
Odor:	Odorless
Odor threshold:	Not available.
PH:	3-9
Boiling point:	Not available.
Melting point:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Explosion limits:	Not available.
Vapor pressure:	Not available.
Density:	Not available.
Specific gravity (Relative density):	Not available.
Solubility:	Not available.
Vapor density:	Not available.
Viscosity:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.





SECTION 10) REACTIVITY DATA

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability:	This product is stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.
Hazardous decomposition:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11) TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure:	Dermal contact. Eye contact. Inhalation Ingestion.
Potential acute health effects:	
Eye contact:	May cause mechanical irritation (abrasion). Inhalation: No known significant effects or critical hazards. Skin contact: May cause mechanical irritation (abrasion). Ingestion: No known significant effects or critical hazards.
Symptoms related to the physical, chemical and toxicological characteristics:	
Inhalation:	Eye contact: No specific data.
Skin contact:	No specific data.
Ingestion:	No specific data.
Potential chronic health effects:	
Short term exposure/	
Potential immediate effects:	Not available.
Long term exposure:	Not available.
Potential delayed effects:	Not available.
General:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

Irritation/Corrosion

Product/Ingredient	Result	Species	Score	Exposure	Observation	Reversability
C.I Pigment Black 11	Skin- Erythema/Eschar	Rabbit	0	4 hours	8 Days	-
	Eyes-Cornea Opacity	Rabbit	0	192 hours 100ul	8 Days	Fully Reversible in 7 days or less
	Eyes-Iris Lesion	Rabbit	0	192 hours 100ul	8 Days	-
	Eyes-Redness Conjunctivae	Rabbit	0	192 hours 100ul	8 Days	Fully Reversible in 7 days or less





SECTION 11) CONTINUED

Information on toxicological effects Acute Toxicity:

Acute Toxicity:

Product/ Ingredient	Result	Species	Dose	Exposure	Test
C.I. Pigment Black 11	LD50 Oral	Rat-Male, Female	>5000 mg/kg	-	-
C.I. Pigment Yellow 42	LD50 Oral	Rat-Male	>10000 mg/kg	-	-
C.I. Pigment Yellow 42	LC50 Inhalation Dusts and Mists LC50 Inhalation Dusts and Mists	Rat	>95 g/m3	6 hrs	-
		Rat		2 weeks	
Iron(III) Oxide	LD50 Oral	Rat	>5000 mg	-	-
Iron(III) Oxide	LD50 Inhalation Dusts and mists	Rat	>210 g/m3	2 weeks	-
C.I. Pigment Red 101	No Specific Data	-	-	-	-
Limestone	No Specific Data	-	-	-	-

Irritation/Corrosion

Product/ Ingredient	Result	Species	Score	Exposure	Observation	Reversability
C.I. Pigment Yellow 42	Eyes-Draize	Rabbit	0	50mg	7 Days	-
	Skin-Ery- thema/Eschar	Rabbit	0	24 hrs	7 Days	-
				500mg		
Iron (III) Oxide	Eyes-Draize	Rabbit	0	192 hrs 0.1ml	8 Days	Fully Revers- able in 7 Days or Less -
	Skin-Ery- thema/ Eschar	Rabbit	0	4 hrs 500 mg	7 Days	
C.I. Pigment Red 101	No Specific Data	-	-	-	-	-
Limestone	No Specific Data	-	-	-	-	-

Conclusion/Summary

Skin: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating.

Eyes: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating. Sensitization:





SECTION 11) CONTINUED

Product/ Ingredient	Route of Exposure	Species	Result
C.I. Pigment Black 11	Skin	Guinea Pig	Not Sensitizing
C.I. Pigment Yellow 42	Skin	Guinea Pig	Not Sensitizing
Iron (III) Oxide	Skin	Guinea Pig	Ambiguous
C.I. Pigment Red 101	No Specific Data	-	-
Limestone	No Specific Data	-	-

Chronic Toxicity

Product/Ingredient	Result	Species	Dose	Exposure
C.I. Pigment Black 11/ C.I. Pigment Yellow 42	Sub-acute NOAEC Inhalation Dusts and Mists	Rat-Male	>185.6 mg/m ³	2 Weeks: 6hrs per day 5 days per week
Iron (III) Oxide	Sub-acute NOAEC Inhalation Dusts and Mists	Rat-Male	>10.1 mg/m ³	4 Weeks: 6 hrs per day 5 days per week
C.I. Pigment Red 101	No Specific Data	-	-	-
Limestone	No Specific Data	-	-	-

Mutagenicity

Product/Ingredient	Test	Experiment	Result
C.I. Pigment Black 11/ C.I. Pigment Yellow 42/ Iron (III) Oxide	OECD 476 IN VITRO MAMMALIAN CELL GENE MUTATION TEST	Experiment: In Vitro Subject: BACTERIA METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative
	OECD 473 IN VITRO MAMMALIAN CHROMOSOMAL ABBERATION TEST	Experiment: In Vitro Subject: MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT Experiment: In Vitro Subject: MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative
			Negative

Carcinogenicity:

Product/Ingredient	Result
C.I. Pigment Red 101	**OSHA Hazardous Components (29CFR 1910.1200). This material is considered a carcinogen by IARC because it contains crystalline silica at levels greater than 0.1%. Inhalation of dust in excess of the TLV may cause mild pulmonary irritation. Long term over-exposure may cause silicosis
Limestone	No Specific Data





SECTION 11) CONTINUED

Mutagenicity

Product/Ingredient	Result	Species	Dose	Exposure
C.I. Pigment Black 11/ C.I. Pigment Yellow 42/ Iron (III) Oxide	Negative-Intraperi- toneal	Rat-Male, Female	Rat-Male, Female	914 dyas; 3 injec- tions a 200mg/kg in 8 weeks
Product/ingredient	CAS#	IARC	NTP	OSHA
C.I. Pigment Black 11/ C.I. Pigment Yellow 42/ Iron (III) Oxide	1317-61-9 51274-00-1 1309-37-1	Not Classified	Not Classified	Not Classified

SECTION 12) ECOLOGICAL INFORMATION

Toxicity:

Product/Ingredient	Test	Result	Species	Exposure
C.I. Pigment Black 11	EU C.2(Acute Toxicity for Daphnia) OECD 209 Activated Sludge, Res- piration inhibition Test OECD 203 Fish, Acute Toxicity Test	Acute EC0>10000mg/l Fresh water Acute EC50>10000mg/l Fresh water Acute LC0>100000mg/l Fresh water	Daphnia-Daphnia mag- na Bacteria-adapted and activated sludge microorganism Fish- Danio rerio	48 hours 3 hours 96 hours
C.I. Pigment Yellow 42	ISO 8192 OECD 202 Daphnia sp.Acute Im- mobilization Test OECD 203 Fish, Acute Toxicity Test	Acute EC50>10000mg/l Fresh water Acute EC50>100mg/l Fresh water Acute LC0>100000mg/l Fresh water	Bacteria-adapted and activated sludge microorganism Daphnia-Daphnia mag- na Fish-Danio rerio	3 hours 48 hours 96 hours
Iron (III) Oxide	OECD 202 Daphnia sp.Acute Im- mobilization Test	Acute EC50>100mg/l Acute EC50>10000mg/l Acute LC0>50000mg/l	Daphnia-Daphnia magna Micro-organ- ismActivated Sludge Fish-Danio rerio	48 hours 3 hours 96 hours
C.I. Pigment Red 101	No Specific Data	-	-	-
Limestone	No Specific Data	-	-	-

Conclusion/Summary:

Persistence and degradability Conclusion/Summary:

Bioaccumulative Potential:

Mobility in Soil Water Partition:

Other Adverse Effects:

Not available.

Not applicable.

Not available.

Not available.

No known significant effects or critical hazards





SECTION 13) DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized. This material and its container must be disposed of in a safe way because they may retain product residues. Avoid dispersal of spilled material, runoff, contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environment controls laws.

RCRA classification: If discarded in its purchased form, this product would not be a hazardous waste. However, under RCRA, it is the responsibility of the product user to determine whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20–24)

SECTION 14) TRANSPORT INFORMATION

Regulatory Information	UN Number	Proper Shipping Name	Classes	Packing Group	Label	Additional Information
DOT Class	–	–	–	–	–	Not Regulated
IMDG Class	–	–	–	–	–	Not Regulated
IATA–DGR Class	–	–	–	–	–	Not Regulated

SECTION 15) REGULATORY INFORMATION

SARA311/312: None.

SARA Title III Section 302 Extremely Hazardous Substances: None.

SARA Title III Section 313 Toxic Chemicals: None.

US EPA CERCLA Hazardous Substances (40 CFR 302): None.

State regulations: For details on your regulatory requirements you should contact the appropriate agency in your state.

Ingredient Name: C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide

CAS Number: 1317–61–9 / 51274–00–1 / 1309–37–1

Concentration (%): 97%max

Massachusetts Substances: MA–S

Massachusetts Extraordinary Hazardous Substances: MA–Extra HS

New Jersey Hazardous Substances: NJ– HS

Pennsylvania RTK Hazardous Substances: PA– RTK HS Pennsylvania Special Hazardous Substances: PA– Special HS

California Prop.65: Potential exposure to some or all of the California Prop 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL). To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

U.S.Toxic Substances Control Act: Listed on the TSCA Inventory.

SECTION 16) OTHER INFORMATION

Hazardous Material Information System: (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Health: 0, Flammability: 0, Physical hazards: 0

National Fire Protection Association (U.S.A.) (0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe)

Health: 0, Flammability: 0, Instability/Reactivity: 0 Special:

Department issuing this data sheet: Product safety department

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SECTION 1) CHEMICAL PRODUCT AND MANUFACTURERS IDENTIFICATION

Product Name:	RZ Matte Sealer (all varieties)
Supplier:	GBR31
Emergency Phone:	Chemtrac (CCN1217): (800) 424 - 9300 (account:CCN1217)
Information Phone:	(214) 412-9898 E-mail: Support@RedZoneCC.com
Product/Recommended Uses:	For further information refer to the Product Technical Data Sheet

SECTION 2) HAZARDS IDENTIFICATION

Category 2 Flammable Liquid

Category 5 Acute Inhalation Toxicity

Category 5 Acute Dermal Toxicity

Category 2A Eye Irritation

Category 2 Carcinogen

Category 3 Specific Target Organ Acute Toxicity (central nervous system)

Category 2 Acute Aquatic Toxicity

Signal Word: Danger

Hazard Statements:

H225 Highly flammable liquid and vapor H313 May be harmful in contact with skin H319 Causes serious eye irritation

H333 May be harmful if inhaled

H336 May cause drowsiness or dizziness H351 Suspected of causing cancer

H401 Toxic to aquatic life

Precautionary statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking

P233 Keep container tightly closed

P260 Do not breathe mist/vapors/spray P264 Wash skin thoroughly after handling

P271 Use only outdoors or in a well-ventilated area P281 Use personal protective equipment as a required response:

P301+P312+P331 IF SWALLOWED: Do NOT induce vomiting. Immediately call a poison center or doctor/physician if you feel unwell.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs, get medical advice/attention

P370+P378 In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction

Storage:

P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal:

P501 Dispose of contents/container in accordance with local/federal regulations.





SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

Acrylic Copolymer	proprietary	Not established	Not established	24.0 – 26.0
Dimethyl ketone	67-64-1	1000 ppm	500 ppm	10.0 – 20.0
t-Butyl Acetate	540-88-5	200 ppm	200 ppm	40.0 – 50.0
bis (2-ethylhexyl) phthalate	117-81-7	5 ppm	5 ppm	0.1 – 0.2
Glycol Ether	proprietary	50 ppm	20 ppm	1.5 – 2.5
Solvent Naphtha	proprietary	17 ppm	5 mg/m ³	10.0 – 15.0
1,2,4-Trimethylbenzene	95-63-6	25 ppm(1989 std.)	25 ppm	0.0 – 0.6
1,3,5-Trimethylbenzene	108-67-8	25 ppm	25 ppm	0.0 – 0.1
Naphthalene	91-20-3	10 ppm	10 ppm	0.0 – 0.6

SECTION 4) FIRST AID MEASURES

Skin: Clean material from skin with acetone, then wash with soap and water followed by moisturizer. If irritation persists, contact a physician.

Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Remove contact lenses if able. Call a physician if irritation persists.

Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. Do not give milk or alcoholic beverages. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

SECTION 5) FIRE-FIGHTING PROCEDURES

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam

Unsuitable Extinguishing Media: High-volume water jet

Flash Point (TCC): 0° F

Flammable Limits (% volume in air for solvents): LEL=1.0 UEL=13.0

Special Fire Fighting Procedures: Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water. Vapors are heavier than air and may travel along the ground to distant ignition sources. Do not allow runoff from firefighting to enter drains or water courses.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Steps to Take if Material is Released or Spilled: No health affects expected from the clean-up of the material if contact can be avoided. Follow the protection information found in Section 8 of this SDS. Ventilate the contaminated area. Prevent the spread of spilled material by using a suitable absorbent material or sand dam.

SECTION 7) HANDLING AND STORAGE

Normal Handling: Always use good industrial hygiene practices and safety guidelines.

Storage: Store material in its original container. Keep containers tightly closed when not in use. Keep material away from open flame, sparks, or other sources of heat and ignition.

Waste Disposal Method: Liquid material is an ignitable waste (D001). Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Use proper bonding/grounding techniques to avoid static buildup/discharge, which can ignite vapors. Empty containers may contain explosive levels of vapor. Do not cut, drill, or weld on or near the containers.





SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to amber liquid

Odor: Sweet ketone

Odor Threshold: No data available

pH: None

Freezing/Melting Point: <-70° F

Boiling Point: 125° F

Flash Point: 0° F

Evaporation Rate: 14.4 (butyl acetate = 1)

Flammability (solid, gas): No data available

Lower/Upper Flammability: 1.0-13.0

Vapor Pressure: 185 mm Hg at 20° C

Vapor Density: 2.0

Density: 0.89 g/cc

Solubility in water: 26.75% by weight

Partition Coefficient: No data available

Auto-ignition Temperature: 850° F

Decomposition Temperature: No data available

Viscosity: 16-18 centipoise

SECTION 10) REACTIVITY DATA

Reactivity:

Stable

Conditions to avoid:

Prevent vapor accumulation. Avoid heat and flames.

Incompatibility (Materials to Avoid):

Strong oxidizers, acids, alkalies, nitrates.

Hazardous Decomposition (Byproducts):

Carbon monoxide, carbon dioxide, isobutylene, and acetic acid.

Hazardous Polymerization:

Should not occur.





SECTION 11) TOXICOLOGICAL INFORMATION

Routes of Exposure: Inhalation, Ingestion, Eyes, and Skin.

Acute Toxicity Lethal Doses (ATE):

LC50 (inhl) 24.8 mg/l
LD50 (oral) 5261 mg/kg
LD50 (skin) 3299 mg/kg

Health Hazards:

Acute: May cause eye, skin, gastrointestinal, and lung irritation. May cause central nervous system depression.

Chronic: Prolonged and repeated exposures to high concentrations may cause liver and kidney damage.

Skin Contact: May cause irritation and redness. Prolonged or repeated exposure can cause defatting and drying of the skin which may result in a burning sensation and a dried, cracked appearance.

Eye Contact: Causes redness, tearing, irritation of the eyes. Direct contact may will cause moderate eye irritation.

Inhalation: May cause headache, nausea, dizziness, and loss of coordination. Continued inhalation may result in unconsciousness.

Ingestion: May be harmful if swallowed. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal.

Carcinogen: Contains trace amounts (0.0–0.6% w/w) of Napthalene and bis (2-ethylhexyl) phthalate (0.1 – 0.2% w/w), which are IARC category 2B possible carcinogens.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

SECTION 12) ECOLOGICAL INFORMATION

Acute Toxicity to Fish: LL50 (96 hr) 11.2 mg/L (Calculated)

Acute Toxicity to Aquatic Invertebrates: EL50 (48 hr) 2.6 mg/L (Calculated)

Toxicity to Aquatic Plants: EL50 algae 11.0 mg/L (Calculated)

Toxicity to Microorganisms: High concentrations may be harmful to sewage treatment plant microbes.

Chronic Toxicity to Fish: No data available

Chronic Toxicity to Aquatic Invertebrates: No data available

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal Method: Liquid material is an ignitable waste (D001). Dispose of material in accordance with all Federal, State, and Local regulations.

SECTION 14) TRANSPORT INFORMATION

For all modes:

Proper Shipping Name: PAINT

Hazard Class: 3

UN: UN1263

Packing Group: PGI

Marine Pollutant: No





SECTION 15) REGULATORY INFORMATION

SARA 311/312: Yes. (Fire, Acute, Chronic).

OSHA: This material is hazardous by definition of Hazardous Communications Standard (29 CFR 1910.1200).

TSCA: Components of this material are either listed or are exempt from the EPA TSCA Inventory of Chemical Substances.

California Proposition 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

	98-82-8	Cumene	
	71-43-2	Benzene	
	117-81-7	bis(2-Ethylhexyl) phthalate	
Massachusetts Right To Know:	25551-13-7	Benzene, Trimethyl-	35.5 – 42.5
	95-63-6	1,2,4 – Trimethylbenzene	21.0 – 30.0
	98-82-8	Cumene	3.0 – 7.0
	1330-20-7	Mixed Xylenes	0.7 – 3.5
	117-81-7	bis(2-Ethylhexyl)phthalate	0.1 – 0.2

	Proprietary	Glycol Ether	2.0 – 2.5
Pennsylvania Right to Know:	64742-95-6	Light Solvent Naphtha	42.0 – 71.0
	Proprietary	Solvent Naphtha	1.0 – 1.5
	25551-13-7	Benzene, Trimethyl-	35.5 – 42.5
	95-63-6	1,2,4-Trimethylbenzene	21.0 – 30.0
	98-82-8	Cumene	3.0 – 7.0
	1330-20-7	Mixed Xylenes	0.1 – 0.2
	117-81-7	bis(2-Ethylhexyl)phthalate	0.1 – 0.2

	Proprietary	Glycol Ether	2.0 – 2.5
New Jersey Right To Know:	64742-95-6	Light Solvent Naphtha	42.0 – 71.0
	Proprietary	Solvent Naphtha	1.0 – 1.5
	25551-13-7	Benzene, Trimethyl-	35.5 – 42.5
	95-63-6	1,2,4-Trimethylbenzene	21.0 – 30.0
	98-82-8	Cumene	3.0 – 7.0
	1330-20-7	Mixed Xylenes	0.7 – 3.5
	25155-15-1	bis(2-Ethylhexyl)phthalate	0.1 – 0.2
	Proprietary	Glycol Ether	2.0 – 2.5

SECTION 16) OTHER INFORMATION

The regulatory information provided is not intended to be comprehensive. Other Federal, State and Local regulations may apply to this material.

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