

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product Name	Heresite VR-514T
Substance Name	Red Brown Air Dry Phenolic Coating Spray Can
EC Number (optional)	Not available.
CAS Number	Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses:	Air Dry Phenolic Red Brown Primer Finish
Uses advised against (if applicable):	Not applicable.
Reasons why uses advised against (if applicable):	Not applicable.

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer/Supplier:	Heresite Protective Coatings, LLC
Street address:	822 S. 14 th Street Manitowoc, WI 54220
Country ID/Postcode/Place:	United States
Telephone number:	+1 (800) 558-7747
Telefax:	+1 (920) 684-0110
E-mail address of person responsible for the SDS:	peter@heresite.com
1.4 Emergency Phone:	+1 (800) 543-7358 (Available 9AM – 5PM EST, M-F) CHEMTREC PHONE: +1 (800) 424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

Flammable Aerosol - Category 2	Flam. Aerosol 2
Skin Irritant - Category 2	Skin Irrit. 2
Eye Irritant - Category 2A	Eye Irrit. 2A
Carcinogenicity - Category 1A	Carc. 1A
Specific Target Organ Toxicity - Repeated Exposure - Category 1	STOT RE 1
Specific Target Organ Toxicity - Single Exposure - Category 3	STOT SE 3
Aspiration Toxicity - Category 1	Asp. Tox. 1

2.2 Label elements



Signal Word

Danger

Hazard Statements

Flammable Aerosol.
Causes eye and skin irritation.
May cause drowsiness or dizziness.
May cause respiratory irritation.
May cause cancer by inhalation of product dust.
Causes 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.
Do not breathe dust/fumes/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, and eye/face protection.
Wash exposed skin thoroughly after handling.
Do not eat, drink, or smoke when using this product.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Do not spray on an open flame or other ignition source.

Prevention (continued)

Use explosion-proof electrical/ventilation/lighting and related equipment.
Use only non-sparking tools.
Pressurized container: Do not pierce or burn, even after use.
Take precautionary measures against static discharge.

Response

If swallowed: Immediately call a poison center or doctor.
Do NOT induce vomiting.
If exposed or concerned: Get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of water/soap.
Specific treatment: See Section 4 in this document.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
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.
In case of fire: Use CO2, dry chemical, foam, or water fog to extinguish.

Storage

Store locked up.
Store in a well-ventilated place. Keep cool. Protect from sunlight.
Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations as applicable.

2.3 Other Hazards

Other hazards which do not result in classification

No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

INGREDIENT	CAS NO.	% WT
Petroleum gases, liquefied, sweetened	68476-86-8	21
Acetone	67-64-1	20
Solvent Naphtha (petroleum), light aliphatic	64742-89-8	20
Iron oxide	1309-37-1	14
Stoddard solvent	8052-41-3	4
Crystalline silica	14808-60-7	0.7

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

If symptoms persist, call a physician. Show this material safety data sheet to the doctor in attendance.

Eye contact

Immediately flush eyes with large amounts of water for at least 20 minutes, while holding eyelids open. Obtain medical attention immediately, as a precaution.

Skin contact

Wash exposed skin areas with soap and water. If irritation exists, obtain medical attention. Remove contaminated clothing. Wash contaminated clothing before reuse.

Inhalation

Remove to fresh air. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen if a qualified operator is available. Get medical attention.

Ingestion

DO NOT INDUCE VOMITING. If person is conscious, give them several glasses of water to drink. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

CO2, dry chemical, foam, or water fog.

Unsuitable extinguishing media

None identified.

5.2 Special hazards arising from the substance or mixture

None identified.

5.3 Advice for firefighters

No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves, protective clothing, and eye/face protection.

6.2 Environmental precautions

No data available.

6.3 Methods and material for containment and cleaning up

No data available.

6.4 Reference to other sections

See Sections 2 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not expose to temperatures exceeding 50 °C/ 122 °F; See Section 2.

7.2 Conditions for safe storage

Store in a well-ventilated place. Keep cool. Protect from sunlight.

7.3 Specific end uses(s)

See Section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit values (OELs)

Substance	Source	Type	ppm	mg/m ³	Notes
Acetone	ACGIH	TWA	500		
		STEL	750		
	OSHA	TWA	1000	2400	
		STEL	750	1800	Vacated in 1989; may be enforced in some states.
		1000	2400	Vacated in 1989; may be enforced in some states.	
2-butoxyethanol	ACGIH	TWA	20		Skin
		STEL			
	OSHA	TWA	5	24	Skin; 10-hour TWA; recommended exposure limit.
		TWA	50	240	Skin
		25		Skin; vacated in 1989; may be enforced in some states.	
Crystalline silica	ACGIH	TWA		0.025	respirable fraction
		TWA		0.05	10-hour TWA; recommended exposure limit
	OSHA	PEL			Respirable fraction: 10 ÷ [% quartz + (% cristobalite × 2) + (% tridymite × 2) + 2]
		PEL			Total dust: 30 ÷ [% quartz + (% cristobalite × 2) + (% tridymite × 2) + 2]
Iron oxide	ACGIH	TWA		5	Respirable Fraction
		TWA		10	8-hour TWA; recommended exposure limit
	OSHA	TWA		5	10-hour TWA; recommended exposure limit
		PEL		10	Fume
Stoddard solvent	NIOSH	TWA		350	
		STEL		1800	Ceiling limit value (15 minutes)

	OSHA	TWA	500	2900
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8.1 Control parameters

Work Hygiene Practices

Wash face, hands and any exposed skin thoroughly after handling.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Protective measures

Use with adequate ventilation.

Personal Protective Equipment

Eye and Face Protection

Wear eye protection/face protection.

Skin Protection

Wear protective gloves/protective clothing.

Hand protection

Wear protective gloves.

Respiratory Protection:

Use NIOSH certified respiratory protection equipment meeting US requirements (1910.134 Occupational Safety and Health Administration, Personal Protective Equipment, Respiratory Protection).

Environmental Exposure Controls

See Section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Thin red brown liquid
Odor:	Mild aliphatic.
Odor threshold:	No information available.
pH:	No information available.
Melting point:	No information available.
Initial boiling point and boiling range:	No information available.
Flash point:	6.7 °C
Evaporation rate:	No information available.
Flammability (solid, gas):	No information available.
Lower flammability/explosive limits	No information available.
Upper flammability/explosive limits	No information available.
Vapour pressure:	No information available.
Vapour density:	No information available.
Relative density:	No information available.
Solubility(ies) in water:	No information available.
Partition coefficient, n-octanol/water:	No information available.
Autoignition temperature:	No information available.
Decomposition temperature:	No information available.
Viscosity:	No information available.
Explosive properties:	No information available.
Oxidizing properties:	No information available.
9.2 Other information	No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Exposed individuals may experience eye irritation, headache, dizziness, general depressed activity, nausea, trouble breathing (Stoddard Solvent; petroleum hydrocarbons; acetone) and skin irritation (iron oxide).

Acute oral toxicity

Stoddard solvent: LD50 Rat > 5000 mg/kg; general depressed activity

Acetone: LD50 Rat = 5800 mg/kg

Acute dermal toxicity

Stoddard solvent: LD50 Rabbit > 3000 mg/kg

Acute inhalation toxicity

Stoddard solvent: LC50 Rat > 5500 mg/m³/4 h; general depressed activity

Acetone: LD50 Rat = 50,100 mg/m³/8 hrs

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or Skin sensitization

Germ Cell Mutagenicity

Carcinogenicity

May cause cancer by inhalation due to the presence of crystalline silica.

Reproductive toxicity

Specific Target Organ Toxicity-Single Exposure

Causes dizziness and drowsiness; may irritate the respiratory tract.

Specific Target Organ Toxicity-Repeated Exposure (STOT-RE)

Causes damage to organs including liver, kidney, respiratory system and central nervous system.

Aspiration hazard

May be fatal if swallowed and enters airways (Stoddard solvent & naphtha).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity to fish

No data available.

Acute toxicity to aquatic invertebrates

No data available.

Acute toxicity to algae

No data available.

Acute toxicity to other organisms

No data available.

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Chronic toxicity to algae

No data available.

Chronic toxicity to other organisms (bacteria)

No data available.

12.2 Persistence and degradability

Data are not available

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow):

No data available.

Bioconcentration factor (BCF):

No data available.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments:

No data available.

Surface tension:

No data available.

Adsorption/Desorption:

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste material must be disposed of I/A/W Federal, State & Local environmental control regulations. Incineration is a recommended technology. Empty containers must be handled with care dur to product residue. Decontaminate containers prior to disposal. Do not heat/cut empty container with electric or gas torch.

SECTION 14: TRANSPORT INFORMATION

14.1

Proper Shipping Name	Aerosols, flammable
UN Number	UN1950
Packing Group	None
Class	2.1

14.2 Environmental hazards

No information available.

14.3 Special precautions for users

No information available.

14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not required, not intended to be carried in bulk tankers.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH: This substance has not been registered according to Regulation (EC) No 1907/2006.

US Toxic Substances Control Act (TSCA): All components of this product are listed on the TSCA 8(b) inventory.

California Proposition 65: This product contains a chemical (crystalline silica) known to the State of California to cause cancer.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Further information

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