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

1.1 Product Identifier

Product Name

Heresite VR-554T

Brown Air Dry Phenolic Coating Spray Can Substance Name

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:

Uses advised against (if applicable):

Reasons why uses advised against (if applicable):

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer/Supplier:

Street address:

Country ID/Postcode/Place:

Telephone number:

Telefax:

E-mail address of person responsible for the SDS:

Only Representative:

Address: Contact:

1.4 Emergency Phone:

Air Dry Phenolic Brown Primer Finish

Not applicable. Not applicable.

Heresite Protective Coatings, LLC

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

Flammable Aerosol - Category 2 Skin Irritant - Category 2 Eye Irritant - Category 2 Skin Sensitiser - Caetgory 1

Specific Target Organ Toxicity - Single Exposure - Category 3

Aspiration Toxicity - Category 1

Aquatic Environment - Chronic Hazard - Category 2

Flam. Aero 2 Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1 STOT SE 3 Asp. Tox. 1 Aq. Chron. 2

2.2 Label elements









Signal Word Danger

Hazard Statements

Flammable Aerosol.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Toxic to aquatic life with long lasting effects

Prevention

Avoid breathing dust/fume/gas/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.

Contaminated work clothing must not be allowed out of the workplace.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source. Keep out of reach of children.

Prevention (continued)

Use explosion-proof electrical/ventilation/lighting and related equipment.

Use only non-sparking tools.

Pressurized container: Do not pierce of burn, even after use.

Avoid release to the environment.

Response

If inhaled: Immediately call a poison center or doctor.

Do NOT induce vomiting.

If exposed or concerned: Get medical advise/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 or rash 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.

Collect spillage.

Storage

Store locked up.

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

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 Number	EINECS	Percent (w/w)	Substance Classification	
ВНТ	128-37-0	204-881-4	0.1 – 1.0 %	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
Chinawood oil/ tung oil	8001-20-5	232-272-3	10 – 30 %	Skin Sensitizer 1, H317	
Distallates (petroleum), hydrotreated light	64742-47-8	265-149-8	5 – 10 %	Flammable Liquid 3, H226; Aspiration Tox. 1, H304; Aquatic Chronic 2, H411	
4-tert-butylphenol	98-54-4	202-679-0	0.1 – 1.0 %	Skin Irritant 2, H315; Eye Damage 1, H318; Reproductive Hazard 2, H361, Aquatic Chronic 1, H410	
Solvent naphtha (petroleum), light aliph	64742-89-8	265-192-2	10 – 30 %	Flammable Liquid 2, H225; Skin Irritant 2, H315; STOT SE 3, H336; Aspiration Tox. 1, H304; Aquatic Chronic 2, H411	
Acetone	67-64-1	200-662-2	10 – 30 %	Flammable Liquid 2, H225; Eye Irritant 2, H319; STOT SE 3, H336	
Aliphatic hydrocarbon	64742-49-0	265-151-9	10 – 30 %	Flammable Liquid 2, H225; Skin Irritant 2, H315; STOT SE 3, H336; Aspiration Tox. 1, H304	
Petroleum gases, liquefied, sweetened	68476-86-8	270-705-8	10 – 30 %	Flammable Gas 1, H220; Liquefied gas, H280	

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. Remove contact lenses, if present and easy to do. 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.

According to Regulation (EC) No 1907/2006

18 September 2015

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

Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

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

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate the area. Wear protective gloves, protective clothing, and eye/face protection.

6.2 Environmental precautions

Collect spillage.Do not wash away into sewer. If contamination of sewers or waterways has occurred advise local emergency services.

6.3 Methods and material for containment and cleaning up

Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert adsorbent and remove to safe place.

6.4 Reference to other sections

See Sections 2 and 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat. Keep away from sources of ignition. Avoid skin and eye contact. Do not ingest. Do not breathe gas/fumes/vapors/spray. Do not smoke. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from incompatible materials such as oxidants and strong acids and bases. 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. Keep away from sources of ignition. Ground all equipment containing material.

7.3 Specific end uses(s)

See Section 1.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Substance	Country /	ppm	mg/m³	Notes	
	Туре				
BHT Italy / TWA		n/a	2 mg/m ³	Inhalable fraction and	
				aerosol and vapor	
	UK / TWA		10 mg/m ³	·	
				calculated	
	UK / STEL		30 mg/m ³		
Acetone	EU / TWA	500 ppm	1210 mg/m ³	Long-term value	
	Italy / TWA	500 ppm	1210 mg/m ³	Long-term value	
	UK / TWA	1500 ppm	3620 mg/m ³	Short-term value	
		500 ppm	1210 mg/m ³	Long-term value	

8.1 Control parameters

Work Hygiene Practices

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

8.2 Exposure controls

Appropriate engineering controls

Use in well ventilated areas. Keep containers closed when not in use.

Protective measures

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Personal Protective Equipment

Eye and Face Protection

Chemical goggles.

Skin Protection

Wear protective clothing as necessary to minimize contact.

Hand protection

Chemical resistant gloves.

Respiratory Protection:

Use respiratory protection such as a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator.

Environmental Exposure Controls

See Section 6.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

No information available. Appearance:

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: -60°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: 41.3 kPa Vapour density: 2.3 Relative density: 0.725

No information available. Solubility(ies) in water: Partition coefficient, n-octanol/water: No information available. Autoignition temperature: No information available. No information available. **Decomposition temperature:** No information available. Viscosity:

No information available. **Explosive properties:** 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 Avoid exposure to heat, sources of ignition, and open flames.

10.5 Incompatible materials Strong oxidants, strong acids and bases. 10.6 Hazardous decomposition products Hydrocarbons, carbon monoxide, carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity Acute oral toxicity

BHT: > 6000 mg/kg bw (Rat)

Chinawood oil/ tung oil: > 2000 mg/kg bw (similar substance)

Distallates (petroleum), hydrotreated light: > 5000 mg/kg bw (Rat) (similar substance)

4-tert-butylphenol: > 2000 mg/kg bw (Rat)

Solvent naphtha (petroleum), light aliph: > 2000 mg/kg bw (Rat)

Acetone: 5800 mg/kg bw (Rat)

Aliphatic hydrocarbon: > 5000 mg/kg bw (Rat) (similar substance) Petroleum gases, liquefied, sweetened: No information available

Acute dermal toxicity

BHT: > 2000 mg/kg bw (Rat)

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: > 2000 mg/kg bw (Rabbit) (similar substance)

4-tert-butylphenol: > 16000 mg/kg bw (Rat)

Solvent naphtha (petroleum), light aliph: > 2000 mg/kg bw (Rat)

Acetone: > 7426 mg/kg bw (Rabbit)

Aliphatic hydrocarbon: > 2000 mg/kg bw (Rabbit) (similar substance) Petroleum gases, liquefied, sweetened: No information available

Acute inhalation toxicity

BHT: No information available

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: (Rat, 4h, > 5.28 mg/L air) (similar substance)

4-tert-butylphenol: (Rat, 6h, > saturated concentration) Solvent naphtha (petroleum), light aliph: (Rat, > 22500 mg/m3)

Acetone: LC50 (Rat, 3h, 132 mg/L air)

Aliphatic hydrocarbon: (Rat, > 7.630 mg/L air) (similar substance)

Petroleum gases, liquefied, sweetened: (Mouse, 2h, 1237 mg/L air) (similar substance)

Skin corrosion/irritation

BHT: Not irritating to rabbit skin

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Not irritating to rabbit skin (Similar substance)

4-tert-butylphenol: Irritating to rabbit's skin

Solvent naphtha (petroleum), light aliph: Irritating to rabbit's skin (similar substance)

Acetone: Not irritating to guinea pig skin

Aliphatic hydrocarbon: Irritating to rabbit's skin (similar substance) Petroleum gases, liquefied, sweetened: No information available

Serious eye damage/irritation

BHT: Not irritating to rabbit eyes.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Not irritating to rabbit eyes. (Similar substance)

4-tert-butylphenol: Irritating to rabbit's eyes

Solvent naphtha (petroleum), light aliph: Not irritating to rabbit eyes. (Similar substance)

Acetone: Mildly irritating to rabbit eyes.

Aliphatic hydrocarbon: Not irritating to rabbit eyes. (Similar substance) Petroleum gases, liquefied, sweetened: No information available

Respiratory or Skin sensitisation

BHT: Patch tests were negative (humans)

Chinawood oil/ tung oil: May cause skin sensitisation

Distallates (petroleum), hydrotreated light: Not sensitising in animal experiments (guinea pig) (simialr substance)

4-tert-butylphenol: Not sensitising in animal experiments (guinea pig)

Solvent naphtha (petroleum), light aliph: Not sensitising in animal experiments (guinea pig) (similar substance)

Acetone: Not sensitising in animal experiments (guinea pig)

Aliphatic hydrocarbon: Not sensitising in animal experiments (guinea pig) (similar substance)

Petroleum gases, liquefied, sweetened: No information available

Germ Cell Mutagenicity

BHT: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects. (similar substance)

4-tert-butylphenol: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.

Solvent naphtha (petroleum), light aliph: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects. (similar substance)

Acetone: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects.

Aliphatic hydrocarbon: In vitro tests did not show mutagenic effects. In vivo tests did not show mutagenic effects. (similar substance)

Petroleum gases, liquefied, sweetened: In vitro tests did not show mutagenic effects (similar substance). In vivo tests did not show mutagenic effects

Carcinogenicity

BHT: Did not show carcinogenic effects in animal experiments.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Did not show carcinogenic effects in animal experiments (similar substance)

4-tert-butylphenol: No information available

Solvent naphtha (petroleum), light aliph: Not carcinogenic

Acetone: Did not show carcinogenic effects in animal experiments.

Aliphatic hydrocarbon: Did not show carcinogenic effects in animal experiments (similar substance)

Petroleum gases, liquefied, sweetened: Did not show carcinogenic effects in animal experiments (similar substance)

Reproductive toxicity

BHT: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substance)

4-tert-butylphenol: May cause damage to fertility.

Solvent naphtha (petroleum), light aliph: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substance)

Acetone: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Aliphatic hydrocarbon: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments. (similar substance)

Petroleum gases, liquefied, sweetened: Animal testing did not show any effects on fertility. Did not show teratogenic effects in animal experiments.

Specific Target Organ Toxicity-Single Exposure

BHT: No significant toxicity observed in animal studies at concentrations requiring classification.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: No significant toxicity observed in animal studies at concentrations requiring classification. (similar substance)

4-tert-butylphenol: No significant toxicity observed in animal studies at concentrations requiring classification

Solvent naphtha (petroleum), light aliph: May cause damage or disorder to the central nervous system.

Acetone: May cause damage or disorder to the central nervous system.

Aliphatic hydrocarbon: May cause damage or disorder to the central nervous system.

Petroleum gases, liquefied, sweetened: No information available

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

BHT: No significant toxicity observed in animal studies at concentrations requiring classification.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: No significant toxicity observed in animal studies at concentrations requiring classification. (similar substance)

4-tert-butylphenol: No significant toxicity observed in animal studies at concentrations requiring classification

Solvent naphtha (petroleum), light aliph: No significant toxicity observed in animal studies at concentrations requiring classification (similar substance)

Acetone: No significant toxicity observed in animal studies at concentrations requiring classification.

Aliphatic hydrocarbon: No significant toxicity observed in animal studies at concentrations requiring classification (similar substance)
Petroleum gases, liquefied, sweetened: No significant toxicity observed in animal studies at concentrations requiring classification

Aspiration hazard

BHT: Not applicable.

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: May be fatal if swallowed and enters airways.

4-tert-butylphenol: Not applicable.

Solvent naphtha (petroleum), light aliph: May be fatal if swallowed and enters airways.

Acetone: Not applicable

Aliphatic hydrocarbon: May be fatal if swallowed and enters airways. Petroleum gases, liquefied, sweetened: No information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity to fish

BHT: 96-h LC50 for fish is 0.199 mg/l (QSAR) Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Oncorhynchus mykiss, 96 hour LL50 = 2 - 5 mg/L (similar substance)

4-tert-butylphenol: Oncorhynchus mykiss, 96 hour LC50 > 1.0 mg/L

Solvent naphtha (petroleum), light aliph: Pimephales promelas, 96h, LL50 = 8.2 mg/L (similar substance)

Acetone: Pimephales promelas, 96h, LD50 = 8120 mg/L

Aliphatic hydrocarbon: Pimephales promelas, 96h, LL50 = 8.2 mg/L (similar substance)

Petroleum gases, liquefied, sweetened: No information available

Acute toxicity to aquatic invertebrates

BHT: Daphnia magna, 48 h, EC50 = 0.48 mg/L Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Daphnia magna, 48 h, EL50 = 1.4 mg/L (similar substance)

4-tert-butylphenol: Daphnia magna, 48 h, EC50 = 4.8mg/L

Solvent naphtha (petroleum), light aliph: Daphnia magna, 48 h, EL50 = 4.5 mg/L (similar substance)

Acetone: Daphnia pulex, 48 h, EC50 = 8800 mg/L

Aliphatic hydrocarbon: Daphnia magna, 48 h, EL50 = 4.5 mg/L (similar substance)

Petroleum gases, liquefied, sweetened: No information available

Acute toxicity to algae

BHT: 96-h EC50 for green algae is 0.758 mg/l (QSAR)

Chinawood oil/ tung oil: No information available

Distallates (petroleum), hydrotreated light: Pseudokirchnerella subcapitata, 72 h, EL50 = 1 - 3 mg/L (similar substance)

4-tert-butylphenol: Pseudokirchnerella subcapitata, 72 h, EC50 = 14 mg/L

Solvent naphtha (petroleum), light aliph: Pseudokirchnerella subcapitata, 72 h, EL50 = 3.1 mg/L (similar substance)

Acetone: Microcystis aeruginosa, 8d, NOEC = 530 mg/L

Aliphatic hydrocarbon: Pseudokirchnerella subcapitata, 72 h, EL50 = 3.1 mg/L (similar substance)

Petroleum gases, liquefied, sweetened: No information available

Acute toxicity to other organisms

BHT: Tetrahymena pyriformis, 24 h, EC50 = 1.7 mg/L

Chronic toxicity to fish

4-tert-butylphenol: Pimephales promelas, 128 d, NOEC = 0.01 mg/L

Chronic toxicity to aquatic invertebrates

Distallates (petroleum), hydrotreated light: Daphnia magna, 21 d, NOEL = 0.48 mg/L (similar substance) Solvent naphtha (petroleum), light aliph: Daphnia magna, 21 d, NOELR = 2.6 mg/L (similar substance)

4-tert-butylphenol: Daphnia magna, 21 d, NOELR = 0.73 mg/L

Acetone: Daphnia magna, 28 d, NOEC = 2212 mg/L

Aliphatic hydrocarbon: Daphnia magna, 21 d, NOELR = 2.6 mg/L (similar substance)

Petroleum gases, liquefied, sweetened:No information available

Chronic toxicity to algaeNo data available.Chronic toxicity to other organisms (bacteria)No data available.

12.2 Persistence and degradability

No data are available for this product.

12.3 Bioaccumulative potential

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

Bioconcentration factor (BCF):

No data are available for this product.

No data are available for this product.

12.4 Mobility in soil

Known or predicted distribution to environmental compartments:

Surface tension:

Adsorption/Desorption:

No data are available for this product.

12.6 Other adverse effectsNo data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be made in accordance with federal, state, and local regulations. Follow all applicable national or local regulations.

SAFETY DATA SHEET

SECTION 14: TRANSPORT INFORMATION

14.1

Agency	Proper Shipping Name	UN Number	Hazard Class	Packing Group
IATA	Aerosols, Flammable	1950	2.1	None
IMDG	Aerosols	1950	2.1	None
US DOT	Aerosols, Flammable	1950	2.1	None

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

No additional information

15.2 Chemical safety assessment

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

SECTION 16: OTHER INFORMATION

SDS PREPARATION INFORMATION: Date Generated:

Date Revised:

September 18, 2015 September 18, 2015

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