

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Sapphire Scientific Rust & Tannin Spotter
Formula Code: 1150
Supplier Sapphire Scientific
2604 Liberator
Prescott, AZ 86301 US
Phone: 800 932-3030 Emergency: 800 535-5053

2. Hazards Identification

Route(s) of Entry: Inhalation? Skin? X Ingestion? X
Health Hazards (1. Acute and 2. Chronic) –

1. **ACUTE:** Harmful if swallowed. Eye and skin irritant.

2. **CHRONIC:** None Known.

Chemical Listed as Carcinogen National Toxicology Program No X I.A.R.C. Monographs No X

Signs and Symptoms of Exposure - Irritation or burning sensation.

Medical Conditions Generally Aggravated by Exposure - May aggravate skin disorders or respiratory ailments.

HMIS RATING - HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0 PERSONAL PROTECTION EQUIPMENT B

3. Composition / Information on Ingredients

Hazardous Components

Specific Chemical Identity: Common Name(s)	CAS #'s	OSHA PEL	ACGIH TLV	Other Limits Recommended	% Optional
1-Methoxy-2-Propanol	107-98-2	100 ppm	100 ppm	N/A	<1
Oxalic Acid	144-62-7	1 mg/M ³	1 mg/M ³	N/A	<1
Alcohol Ethoxylate	68131-39-5	N/A	N/A	N/A	1-3

*THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS FOR SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

4. First Aid Measures

Emergency and First Aid Procedures –

EYE CONTACT: Flush immediately with water for 15 minutes. Get medical attention.

SKIN CONTACT: Flush with water for 15 minutes. Remove and wash contaminated clothing.

INGESTION: Rinse mouth with water. Then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. Fire Fighting Measures

Flash Point (Method Used) - 129°F (PMCC) Flammable Limits- L.E.L. – N/E UEL – N/E/
Extinguishing Media - Water, CO₂ Foam or media suitable for surrounding fire.
Special Fire Fighting Procedures - Standard fire fighting procedures may be followed, including full protective gear, NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards - None Known

6. Handling and Storage

Steps to be Taken in Case Material is Released or Spilled - Wear appropriate protective equipment. If possible, contain spill and collect in approved container. Rinse affected area thoroughly with water. Keep product out of storm sewers or waterways. Hold for disposal.

Waste Disposal Method - Dispose of in accordance with local, state and Federal regulations. If possible, triple rinse container, and recycle.

Precautions to be Taken in Handling and Storing - Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Store in original container, in cool dry place with adequate ventilation. Keep out of reach of children. Keep container tightly closed when not in use.

Other Precautions - Use only according to label directions. If unsure about safe use, contact your supervisor immediately

7. Exposure Controls/ Personal Protection

Respiratory Protection (Specify Type) - Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. An approved dust/mist respirator would be recommended.

Ventilation - Local Exhaust - As Necessary Mechanical (General) - Adequate Special- N/A Other - N/A

Protective Gloves - Water Impervious (Latex, Neoprene)

Eye Protection - Chemical Resistant Goggles or Face Shield

Other Protective Clothing or Equipment - Eye wash.

Work/Hygiene Practices - Follow OSHA mandated procedures. Never eat or smoke while working with chemicals. Good housekeeping practices apply. Wash thoroughly after handling

8. Physical and Chemical Properties

Boiling Point:	Approx 212° F	Vapor Pressure (mm Hg):	Not Established
pH (conc.):	4.0	Solubility in Water:	Complete
Specific Gravity (H ₂ O = 1):	1.010	Percent Volatile By Weight (%) :	>95%
Evaporation Rate (H ₂ O:1):	Approx. 1	Appearance and Fragrance:	Clear liquid / Fresh Fragrance

9. Stability and Reactivity

Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
Incompatibility (Materials to Avoid) -	Do not mix with other chemicals.
Hazardous Decomposition Products or By-products -	Thermal decomposition on burning may produce toxic vapors or gases.
Hazardous Polymerization:	May Occur <input type="checkbox"/> ; Will not Occur <input checked="" type="checkbox"/>
Conditions to Avoid -	None Known

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