



## Material Safety Data Sheet

### 1. Chemical Product & Company Data

Product Name: <b>Sapphire Scientific Pet Odor Pre Spotter</b>	
Manufacturer:  ProRestore Products 4660 Elizabeth Street Coraopolis, PA 15108 Telephone: 1-412-264-8340	Supplier:  Sapphire Scientific 2604 Liberator Prescott, AZ 86301 Telephone: 866-445-3030

### 2. Ingredients

Name	CAS #	UN #	% by volume
Ethanoic acid	64-19-7		5-10
2-hydroxy-1,2,3 propanetricarboxylic acid	77-92-9		1-5

### 3. Hazards Identification

Emergency Overview
Skin and eye irritant.

NOTE: Hazard information is based on the characteristics of the components of this mixture.

**Ingestion** - May cause abdominal discomfort, nausea, vomiting and diarrhea.

**Inhalation** - May cause irritation of the respiratory tract.

**Eye Contact** - May cause eye irritation.

**Skin Contact** - Prolonged contact may cause discomfort, redness and irritation of the skin.

### 4. First Aid

<p><b>Ingestion</b> - If patient is conscious give two glasses of water. <b>Do not</b> induce vomiting. Seek medical attention immediately.</p> <p><b>Inhalation</b> - Remove to fresh air. Administer artificial respiration if not breathing.</p> <p><b>Eye Contact</b> - Flush eyes with water for 15 minutes. Seek immediate medical attention.</p> <p><b>Skin Contact</b> - Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.</p>
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## Sapphire Scientific Pet Odor Prespotter

### 5. Fire Fighting Measures

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions?	
Flashpoint: > 200 °F (93.3 °C)	Upper flammable limit % by volume	Lower flammable limit % by volume
Autoignition temperature n. av.	Hazardous combustion products	Explosion data
Means of extinction:		

### 6. Accidental Release Measures

<p>Wear personal protective equipment. Do not allow spill to reach watercourse or sewers. Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available in the workplace. Collect and store waste materials in suitable containers for disposal i.e. metal drums.</p>
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### 7. Handling & Storage

<p>To prevent vapor escaping to the atmosphere keep all containers closed or covered. Eyewash stations are recommended in the workplace. If eye irritation is encountered the use of a full facepiece respirator is recommended. Mechanical ventilation is recommended in enclosed workspaces. Area should be evacuated of all non essential personnel prior to application of product.</p>
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### 8. Exposure Controls & Personal Protection

Personal Protective Equipment				
Gloves Natural Rubber	Respirator NIOSH TC-23C for organic vapor + dust & mist prefilter		Eye Goggles	
Footwear n. ap.	Clothing Coveralls or equivalent		Other n. ap.	
Exposure Guidelines				
*none established for product*				
	OSHA		ACGIH	
	TWA	STEL	TWA	STEL
Ethanoic Acid	10 ppm	15 ppm	10 ppm	15 ppm

## Sapphire Scientific Pet Odor Prespotter

### 9. Physical and Chemical Properties

Physical state Liquid	Odor and appearance White liquid, pleasant odor	
Odor threshold (ppm) Ethanoic acid 24 ppm	Vapor pressure (mm Hg) n. av.	Vapor density (Air=1)
Evaporation (butyl acetate = 1) n. av.	Boiling point 212 °F (100 °C)	Freezing point n. av.
pH 2.2	Specific gravity 1.0	Coefficient water/oil distribution
Solubility in water 100%	Viscosity n. av.	% Volatiles (by weight) 100%

### 10. Stability and Reactivity

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions?	
Incompatibility with other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions? Avoid strong oxidizing agents.	
Reactivity, and under what conditions?	Stable under normal conditions.	
Hazardous decomposition products?	Carbon monoxide and/or carbon dioxide as combustion by-products.	

### 11. Toxicological Information

Route of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/>			
No toxicity studies have been conducted for the product. Ethanoic Acid LD50 oral, rat 3310 mg/kg LD50 dermal, rabbit 1060 mg/kg			
Carcinogenicity No	Mutagenicity No	Teratogenicity No	Reproductive toxicity No
Synergistic products No	Sensitization No	Neurotoxicity No	Target organs Eyes and Skin

### 12. Ecological Information

n. av.
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### 13. Disposal Considerations

Do not dispose of product in storm or sanitary sewer systems.  
Do not allow discharge into groundwater or a watercourse.  
If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

### 14. Transport Information

Shipping Name: NOT REGULATED  
Hazard Class:  
UN Identification #:

### 15. Regulatory Information

This material safety data sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Can.) and the Controlled Products Regulations (Can.) This product has been classified in accordance with the hazard criteria of the CPR (Can.) and the MSDS contains all the information required by the CPR (Can.).

This product is classed as a **skin and eye irritant** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **D2B**

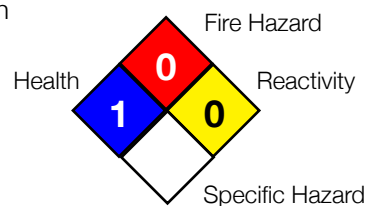
This product is not subject to the reporting requirement of Section 313 of Title III of Superfund Amendments and Reauthorization Act (SARA) 1986 and 40 CFR part 372.

### 16. Other Information

HMIS (U.S.A.)

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	c

National Fire Protection  
Association (U.S.A.)



This product is a commercial deodorizing chemical.

For chemical emergency during transportation call INFOTRAC (US) **1-800-535-5053** (INT'L) **1-352-323-3500**

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#### Abbreviations:

n. av. = not available  
mm Hg = millimeters of Mercury  
COC = Cleveland Open Cup  
LD = Lethal Dose

n. ap. = not applicable  
PMCC = Pensky Martens Closed Cup  
TWA = Time Weighted Average  
LC = Lethal Concentration

ppm = parts per million  
TCC = Tagliabue Closed Cup  
STEL = Short Term Exposure Limit  
CS = centistokes