

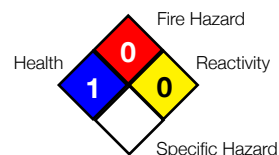


Material Safety Data Sheet

HMIS

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	c

NFPA



1. Chemical Product & Company Data

Product Name: Sapphire Scientific Pet Odor Prespotter		Revision Date: March 9, 2012
Manufacturer:	Supplier:	
CHEMICAL EMERGENCY: INFOTRAC (US) 1-800-535-5053 (INT'L) 1-800-323-3500	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

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

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

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.

7. Handling & Storage

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.

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, pungent vinegar-like 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.

Sapphire Scientific Pet Odor PreSpotter

13. Disposal Considerations

Dispose of in compliance with all Federal, state and local laws and regulations.

14. Transport Information

Shipping Name: DEODORANTS, N.O.I.

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.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

16. Other Information

This product is a commercial deodorizing chemical.

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