

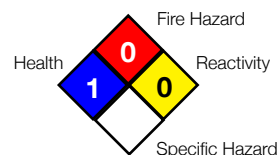


Material Safety Data Sheet

HMIS

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	c

NFPA



1. Chemical Product & Company Data

Product Name: Sapphire Scientific Pet Odor and Stain Treatment		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
Proprietary formulation All components appear on the TSCA inventory and Canadian DSL list. Components not listed are either non hazardous or in concentrations less than 1%.			

3. Hazards Identification

Emergency Overview
Skin and eye irritant - Contains Class 1 Microorganisms. Center for Disease Control defines Class 1 Microorganisms as not likely to cause disease in healthy humans or animals. Persons with compromised immune systems should avoid contact with open wounds and/or breathing mist.
NOTE: Hazard information is based on the characteristics of the components of this mixture.
Ingestion - May cause abdominal discomfort, nausea and vomiting.
Inhalation - Inhaling mist may cause irritation of the respiratory tract.
Eye contact - May cause eye irritation.
Skin contact - Prolonged contact may cause discomfort and mild irritation of the skin.

4. First Aid

Ingestion - Watch victim for signs of illness. Induce vomiting only upon advice of physician.
Inhalation - Remove to fresh air. If breathing problems develop seek care by a physician.
Eye Contact - Flush eyes with water for 15 minutes, if irritation persists see a physician.
Skin Contact - Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation develops or persists.

Sapphire Scientific Pet Odor and Stain Treatment

5. Fire Fighting Measures

Flammability Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, under which conditions? NA	
Flashpoint: NA	Upper flammable limit NA	Lower flammable limit % by volume NA
Autoignition temperature NA	Hazardous combustion products None known	Explosion data NA
Means of extinction: Water spray, carbon dioxide and dry chemical powder.		

6. Accidental Release Measures

Contain and collect spilled material. Place in proper container for disposal. Dispose of material in accordance with federal, state and local laws.

7. Handling & Storage

Waste Disposal - Contain and collect spilled material. Place in proper container for disposal. Dispose of material in accordance with federal, state and local laws.

Storage- Store away from children, food items and potable water. Store out of direct sunlight, keep containers closed when not in use. Avoid storage in damp areas.

Handling- Use good chemical hygiene practices when working with any chemical. Wash hands before handling food or smoking.

8. Exposure Controls & Personal Protection

Personal Protective Equipment		
Gloves Disposable nitrile or natural rubber	Respirator None required for normal use	Eye Safety glasses with side shields or splash goggles
Footwear n. ap.	Clothing None required, avoid skin contact from soiled clothing	Other n. ap.
Exposure Guidelines		
none established for product		
Ventilation- Local ventilation is usually sufficient. If used in a manner in which a mist is created, mechanical ventilation may be necessary.		

Sapphire Scientific Pet Odor and Stain Treatment

9. Physical and Chemical Properties

Physical state Liquid	Odor and appearance Opaque liquid, light citrus odor	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) Equivalent to water	Vapor density (Air=1) Equivalent to water
Evaporation (butyl acetate = 1) n. av.	Boiling point 212 °F (100 °C)	Freezing point n. av.
pH 10.4 - 10.7	Specific gravity 1.0	Coefficient water/oil distribution n. av.
Solubility in water Complete	Viscosity n. av.	% Volatiles (by weight) n. av.

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? Strong acid, alkali and biocides may inactivate biological cultures.	
Reactivity, and under what conditions? Stable under normal conditions.		
Hazardous decomposition products? None known.		

11. Toxicological Information

Route of Entry Skin Contact <input checked="" type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion <input checked="" type="checkbox"/>			
No toxicity studies have been conducted for the product.			
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 and Stain Treatment

13. Disposal Considerations

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

14. Transport Information

Shipping Name: DEODORANT, 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.

16. Other Information

This product is used as 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