



Material Safety Data Sheet

HMIS

Health Hazard	1
Fire Hazard	2
Reactivity	0
Personal Protection	c

NFPA



1. Chemical Product & Company Data

Product Name: Sapphire Scientific Signature EX		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
Synthetic isoparaffinic hydrocarbon blend	64742-47-8		60-100
Fragrance - Aromatics (aldehydes, esters & ketones) and alcohols	n. av.		10-30

3. Hazards Identification

Emergency Overview
Combustible liquid.
NOTE: Hazard information is based on the characteristics of the components of this mixture.
Ingestion - May cause abdominal discomfort, nausea, vomiting and diarrhea.
Inhalation - High concentration of the vapor may cause irritation of the respiratory tract.
Eye Contact - Causes slight eye irritation.
Skin Contact - Prolonged contact may cause irritate 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 medical attention if irritation persists.
Skin Contact - Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.

5. Fire Fighting Measures

Flammability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, under which conditions? Combustible liquid. Potential fire hazard when exposed to excessive heat, flame or other sources of ignition.
Flashpoint: 163 °F (72.8 °C)	Upper flammable limit % by volume 5.0 Lower flammable limit % by volume 0.7
Autoignition temperature n. av.	Hazardous combustion products Carbon monoxide and/or carbon dioxide Explosion data n. ap.
Means of extinction: Apply alcohol type or all purpose foam for large fires. Use dry chemical media or carbon dioxide extinguishers for small fires. SCBA and bunker gear for fire department personnel.	

6. Accidental Release Measures

<p>Eliminate all sources of ignition. 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>

7. Handling & Storage

<p>Extinguish all sources of ignition in the work area. If the product is stored in metal containers the container must be grounded and bonded prior to dispensing the liquid. To prevent vapor escaping to the atmosphere keep all containers closed or covered. The product should be stored in a separate room equipped for flammable liquid storage or small volumes may be stored in a flammable liquid cabinet. Eyewash stations are required 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 Neoprene	Respirator NIOSH TC-23C organic vapor respirator or equivalent	Eye Goggles or full face respirator
Footwear n. ap.	Clothing Coveralls or equivalent	Other n. ap.
Exposure Guidelines		
none established for product		

9. Physical and Chemical Properties

Physical state Liquid	Odor and appearance Clear liquid, colorless to light yellow , various odors (see Sec. 2)	
Odor threshold (ppm) n. av.	Vapor pressure (mm Hg) n. av.	Vapor density (Air=1) 4.5
Evaporation (butyl acetate = 1) < 1	Boiling point n. av.	Freezing point n. av.
pH n. ap.	Specific gravity 0.79	Coefficient water/oil distribution n. av.
Solubility in water 0%	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? 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.			
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.

13. Disposal Considerations

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

14. Transport Information

Note: In containers of 119 gallons (US) capacity or less this product is not regulated by D.O.T. Space Spray Mint in quarts and gallons must ship as an ORM-D Ground in the US.

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 **combustible liquid** - 29 CFR 1910.1200 and Controlled Products Regulations (Can.)

WHMIS classification **B3**

R phrases: R10, R36/38, R65

S phrases: S23, S24/25, S26, S28, S39, S51, S62

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 deodorizer.

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