

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier SpectraFix Spray Fixative		[WHMIS Classification] B2, D2A	
Product Use Artist Material Spray Fixative			
Manufacturer's Name Ms. Natural		Supplier's Name Ms. Natural	
Street Address 80 Fresno St.		Street Address P.O. Box 330034	
City San Francisco		City San Francisco	
State CA		State CA	
Zip 94133	Emergency Telephone 510-717-4253	Zip 94133	Emergency Telephone 510-717-4253
Date MSDS Prepared Sept. 22 2011		MSDS Prepared By Della Heywood	Phone Number 510-717-4253

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	WMIS / Hazard
Ethanol (grain alcohol)	23.0	67-17-5	2080 – rat, oral	B2 D2B Flammable, Nervous System Depressant
Isopropyl alcohol	1.0	67-63-0	5045 – rat, oral	B2 D2B Flammable, toxic
Water	70.0			
Casein	6.0	9000-71-9	No Exposure Limit	Milk Protein

SECTION 3 — HEALTH INFORMATION (for Specially De-Natured Alcohol 3C, 200 proof, comprising 24% by volume.)

INHALATION: Exposure to over 1000 ppm pure denatured alcohol may cause headache, drowsiness and lassitude, loss of appetite and inability to concentrate. SpectraFix contains only 24% Denatured alcohol + water.

INGESTION: Pure denatured alcohol can cause depression of central nervous system, nausea, vomiting and diarrhea.

EYE CONTACT: Liquid or vapor from pure denatured alcohol may cause irritation to eyes. SpectraFix will not irritate eyes ordinarily.

SKIN CONTACT: May cause irritation and defatting of skin on prolonged contact with pure denatured alcohol. SpectraFix only contains 24% denatured alcohol, so irritation from skin contact is unlikely under ordinary circumstances.

SECTION 4 — FIRST AID MEASURES

Skin Contact: Wash hands if they become soaked with SpectraFix.

Eye Contact: Eyes should be flushed for at least 15 minutes. Get medical attention if necessary.

Inhalation: Remove victim to fresh air. If victim has stopped breathing, give artificial respiration. Get medical attention.

Ingestion: If victim is conscious, have them drink water to dilute. Call Poison Control immediately. Do not induce vomiting.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable Yes	If yes, under which conditions? Highly flammable in presence of open flames and sparks, of heat. Flammable in presence of oxidizing materials Non-flammable in presence of shocks.	
Means of Extinction Water , chemical powder, foam or CO2.		
Flashpoint (° F) and Method 100° F ASTM D-56	Upper Flammable Limit (% by volume) 19	Lower Flammable Limit (% by volume) 3.3
Autoignition Temperature (°F) 685° F	Explosion Data — Sensitivity to Impact Non-Flammable in presence of shocks	Explosion Data — Sensitivity to Static Discharge Low Flammability in presence of flame
Hazardous Combustion Products Oxides of carbon, oxides of nitrogen, and other organic combustion products.		
[NFPA] Health: (0); Fire: (2); Reactivity: (0);		

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Clean up with water, prevent contact with flame or sparks.

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
No respiratory danger, or danger from exposure when handled as directed. Avoid spraying directly into eyes. Do not drink this product. Contains Isopropyl alcohol.
Storage Requirements
Do not store near flames or sources of ignition. Will not explode or ignite.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process)			
Personal Protective Equipment NONE			

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES (of SDA 3C)

Physical State Liquid	Odour and Appearance Clear and Slightly Milky	Odour Threshold (ppm) N/A
Specific Gravity 0.939 @ 60° / 60° F	Vapour Density (air = 1) 1.59	Vapour Pressure (mmHg) 44.6 mm Hg@ 68° F
Evaporation Rate 0.0144829 CFM/sq. ft	Boiling Point (° F) 173° F	Freezing Point (°F) -173° F
pH n/a		[Solubility in Water] Complete

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability Stable Stable	If no, under which conditions?
Incompatibility with Other Substances Yes	If yes, which ones? Acetyl Chloride and other oxidizing agents.

Hazardous polymerization not likely.

Reactivity, and under what conditions?
Hazardous Decomposition Products

SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure
Handle in presence of adequate ventilation.
Presence of Isopropyl alcohol may cause nausea and dizziness. Ethanol may cause drowsiness; Nervous system depressant. This product would need to be consumed in large quantities to cause toxicological effects.
Irritancy of Product. Low to nil.

Skin sensitization: Possible for sensitive individuals with prolonged contact.	Respiratory sensitization: May cause irritation in high concentrations.
Carcinogenicity-IARC: None	Carcinogenicity- ACGIH :none
Reproductive toxicity: n/a	Teratogenicity: none
Embrototoxicity: n/a	Mutagenicity: none
Name of synergistic products/effects: none.	

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]. Treat as you would ordinary alcoholic beverages and rubbing alcohol. Do not feed to fish, pour in a fishtank or stream. Not hazardous for normal use.

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal. No special considerations.

SECTION 14 — TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations. Aqueous products containing alcohol at 24 percent or less are not subject to the requirements of the EU ADR, IATA, or IMDG. They are similarly exempt from US DOT requirements provided that they contain no less than 50 percent water.

SECTION 15 — REGULATORY INFORMATION

TTB	[OSHA] N/A
[TSCA] Specially denatured alcohol 3C is listed in TSCA Inventory of Chemical Substances.	
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

SECTION 16 — OTHER INFORMATION

This MSDS is compiled to supply information about this product's Ethanol and Isopropyl alcohol constituents. With the exception of these two ingredients, comprising 24% of its volume, this product's ingredients are completely safe and non-hazardous. Please do not ignite, store near open flame, or breathe in strong concentrations. This is not to say SpectraFix is toxic, it is never advisable to inhale the fumes of any alcohol, unless it is a high quality Armagnac or Vintage Port.