

## MATERIAL SAFETY DATA SHEET — 16 Sections

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|--|--|--|--|
| Product Identifier<br><b>SpectraFix Spray Fixative</b> |  | [WHMIS Classification]<br><b>B2, D2A</b> |  |
| Product Use<br><b>Artist Material Spray Fixative</b>   |  |  |  |
| Manufacturer's Name<br><b>SpectraFix</b>               |  | Supplier's Name<br><b>SpectraFix</b>     |  |
| Street Address<br><b>11071 Gifford Springs Road</b>    |  | Street Address<br><b>P.O. Box 545</b>    |  |
| City<br><b>Cobb</b>                                    | State<br><b>CA</b>                         | City<br><b>Cobb</b>                      | State<br><b>CA</b>                         |
| Zip<br><b>95426</b>                                    | Emergency Telephone<br><b>510-717-4253</b> | Zip<br><b>95426</b>                      | Emergency Telephone<br><b>510-717-4253</b> |
| Date MSDS Prepared<br><b>June 23 2015</b>              | MSDS Prepared By<br><b>Della Heywood</b>   | Phone Number<br><b>510-717-4253</b>      |  |

### SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients ( <i>specific</i> ) | %    | CAS Number | LD <sub>50</sub> of Ingredient<br>( <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.)

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|---|
| <b>INHALATION:</b> 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.                    |
| <b>INGESTION:</b> Pure denatured alcohol can cause depression of central nervous system, nausea, vomiting and diarrhea.   |
| <b>EYE CONTACT:</b> Liquid or vapor from pure denatured alcohol may cause irritation to eyes. SpectraFix will not irritate eyes ordinarily.   |
| <b>SKIN CONTACT:</b> 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

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| <b>Skin Contact:</b> Wash hands if they become soaked with SpectraFix.  |
| <b>Eye Contact:</b> Eyes should be flushed for at least 15 minutes. Get medical attention if necessary.                             |
| <b>Inhalation:</b> Remove victim to fresh air. If victim has stopped breathing, give artificial respiration. Get medical attention. |
| <b>Ingestion:</b> If victim is conscious, have them drink water to dilute. Call Poison Control immediately. Do not induce vomiting. |

**Product Identifier- 2 -****SECTION 5 — FIRE FIGHTING MEASURES**

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

**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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

**SECTION 7 — HANDLING AND STORAGE**

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

**SECTION 10 — STABILITY AND REACTIVITY**

*Product Identifier- 2 -*

**SECTION 5 — FIRE FIGHTING MEASURES**

|                                       |        |  |
|---------------------------------------|--------|--|
| Chemical Stability<br>Stable          | Stable | If no, under which conditions?                                     |
| Incompatibility with Other Substances | Y e s  | If yes, which ones?<br>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.   |

[ *Optional, not required under WHMIS* ]

|  |   |
|--|---|
| 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]<br>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.