

MSDS - Material Safety Data Sheet**Product Name: Voting Ink Solution**

MSDS No.: VIS

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 02/02/2011

Expiration Date:

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

2	Health
4	Flammability
1	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
67641	Acetone	<80							1000 ppm	750 ppm	-4 F
0	Proprietary dye	10							NE	NE	
7761888	Silver nitrate	<15					X		.01 mg/m3	.01 mg/m3	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

FLAMMABLE! If this product is used as indicated it is unlikely that any adverse health issues will occur. Inhalation or ingestion of significant amounts may cause respiratory irritation and/or gastric disturbances.

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Prolonged or repeated exposure may cause dermatitis, skin defatting, conjunctivitis, cataracts, inflammation of the respiratory tract, weakness, drowsiness, vertigo, hematological changes, anemia, liver and kidney damage

Signs and Symptoms:

Inhalation: Dizziness, drowsiness, stupor

Ingestion: Skin discoloration, nausea, diarrhea, bloody vomit, inebriation (drunkenness), coma

Skin: Cracking

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, liver, kidney, blood diseases

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Emergency and First Aid Procedures:

Inhalation: It is unlikely that emergency treatment will be required. Get medical attention if needed

Ingestion: Seek medical attention.

Skin contact: It is unlikely that emergency treatment will be needed. If adverse conditions occur, wash with soap and water. Seek medical attention if needed

Eyes: Wash with large amounts of water. Get medical attention if needed.

Other Health Warnings:

Consumption of alcohol may increase the acute effects of exposure.

V. Fire Fighting Measures:

Flash Point: -4 F

Lower Explosive Limit: 2.5

Upper Explosive Limit: 13.0

F.P. Method:

Fire Extinguishing Media: Dry chemical, carbon dioxide, water spray or fog, alcohol-resistant foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. If possible, remove containers from fire area. Water may be ineffective if flow of flammable liquid is not stopped. Water may be used to cool fire-exposed containers. Evacuate immediately if containers become discolored, or if rising sound is emitted from containers.

Unusual Fire and Explosion:

Vapors from this product may travel some distance from original point to an ignition source and flash back.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Shut off at source, if possible to do so without risk. Remove sources of ignition (i.e. open flames, sparks). Dike area. Soak up with inert absorbent material (do not use flammable substances such as sawdust). Scoop up with non-sparking equipment. Ventilate and wash spill site after collection. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer or use of material. Use only in well-ventilated areas. Avoid breathing vapors. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: 133 F

Melting Point: -139 F

Evaporation Rate (Butyl Acetate = 1): 6.0

Vapor Pressure (mm Hg.): 180.0

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 2.0

Solubility In Water: Miscible

Appearance and Odor: Clear liquid; ketone odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Acids, aliphatic amines, bromine, bromine trifluoride, bromoform, chloroform, chromium trioxide, chlorides, dioxygen difluoride + solid carbon dioxide, hexachloromelamine, hydrogen peroxide, nitric compounds, oxidizers, plastics, platinum, potassium tert-butoxide, rayon, sodium hypobromite, sodium hypoiodite, sulfur dichloride, thiotriazole perchlorate, 1,1,1-trichloroethane, trichloromelamine, ignition sources (heat, open flame, spark)

Decomposition/By Products:

Carbon oxides, nitrogen oxides

Hazardous Polymerization:

Does not occur.

XI. Toxicological Information:

This product was not mutagenic but highly toxic to bacteria in the Ames test.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

Acetone

RCRA U-Series: waste no. U002 (Ignitable waste)

This material is banned from land disposal according to RCRA.

XIV. Transport Information:

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IATA

Shipping name: Acetone

Hazard class: 3

UN no.: 1090

Packing group: II

Flammable liquid!

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

OSHA flammability class: IB

This material is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.