

MSDS - Material Safety Data Sheet**Product Name: Invisible Skin Marking Ink**

MSDS No.: UV743I/L

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 Solid**Chemical Type:** Pure Mixture

1	Health
4	Flammability
0	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
27344065	Fluorescent Brightner	<5									
67630	Isopropanol	>95						400ppm	400ppm		

III. Hazardous Identification:**Hazard Category:** Acute Chronic Fire Pressure Reactive**Hazardous Identification Information:**

FLAMMABLE!

POTENTIAL HEALTH EFFECTS:

EYE: Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of the eyes.

SKIN: May cause mild skin irritation in sensitive people. Prolonged contact may dry the skin.

INGESTION: Minimal toxicity. Ingesting this material may be harmful.

INHALATION: Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Use with adequate ventilation.

SYMPTOMS OF EXPOSURE: Ingestion or inhalation: irregular heartbeat, cyanosis, anesthesia, stomach or intestinal upset (nausea, vomiting, diarrhea); irritation (the nose, throat, airways); cough, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness); slowing of breathing rate, blurred vision.

TARGET ORGANS: This product contains isopropanol. Exposure to lethal concentrations has shown to cause damage to organs including liver, kidneys, pancreas, heart, lungs and brain.

CARCINOGENICITY: May cause cancer.

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

Inhalation, ingestion, skin, eyes

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Health Hazards (Acute and Chronic):

Acute: Anesthetic and other central nervous system effects, bronchiopneumonia, pulmonary edema, corneal edema, kidney damage, narcotic effects,

Chronic: Dermatitis, skin defatting.

Signs and Symptoms:

Inhalation: Headache, irritation of the throat, lungs and airways.

Ingestion: Excitement, headache, dizziness, drowsiness, nausea, collapse, unconsciousness, coma, death due to respiratory failure.

Skin: Pain, stinging.

Eyes: Burning sensation, redness, tearing, inflammation.

Medical Conditions Generally Aggravated by Exposure:

Skin, lung, eye, central nervous system, kidney, liver diseases

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. (Never give anything by mouth to an unconscious person!). Get medical attention immediately.

Skin: Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if condition warrants.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. Get medical aid immediately.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: 53 F

Lower Explosive Limit: 3.3 vol%

Upper Explosive Limit: 28.00 vol%

F.P. Method:

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

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be ineffective, but may be used to cool fire-exposed containers.

Unusual Fire and Explosion:

Containers may build up pressure when exposed to heat or fire. Vapors from this product may travel some distance from original point to an ignition source and flash back.

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and banded and then disposed of according to local, state, and federal regulations.

VI. Accidental Release Measures:

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

Wear vapor respirator, safety goggles, and rubber gloves. Remove sources of ignition (i.e. open flames, sparks). Dike if necessary. Soak up with absorbent material (earth, sand, or vermiculite recommended; do not use flammable substances such as sawdust). Scoop up with a non-sparking tool. Ventilate and wash spill site after collection. Dispose according to local, state, and federal regulations.

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VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with the eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

Other Precautions:

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and banded and then disposed of according to local, state, and federal regulations.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves (butyl rubber, PVC, neoprene), vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 180 F

Melting Point: -128 F

Evaporation Rate (Butyl Acetate = 1): 2.3

Vapor Pressure (mm Hg.): 36

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): 1.00

Solubility In Water: 100%

Appearance and Odor: Clear liquid; alcohol odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark), strong oxidizing agents.

Decomposition/By Products:

Explosive peroxides, oxides of carbon and nitrogen, sulfur oxides

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

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CARCINOGENICITY: May cause cancer.

XII. Ecological Information:

No specific ecological data are available for this product. May be harmful to some aquatic life.

XIII. Disposal Considerations:

Dispose of according to local, state, and federal regulations.

XIV. Transport Information:

Keep in closed container. Keep cool and dry. Avoid all ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid contact with skin and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

IATA

Shipping name: Isopropanol

Hazard class: 3

UN no.: 1219

Packing group: II

Flammable liquid!

XV. Regulatory Information:

TSCA: This product is listed on the TSCA Inventory.

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting requirements under the Comprehensive Environmental Response, Compensation, and Liability Act.

SARA Title III: This product is classified into the following hazard categories:

Immediate health, Delayed health, Fire.

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.