

MSDS - Material Safety Data Sheet**Product Name: Silver Latent Print Spray****MSDS No.: SLPS300****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

2	Health
3	Flammability
1	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				
7783939	Silver perchlorate, anhydrous	Trace							NE	NE	
1330207	Xylene	>99							100 ppm	100 ppm	81 F

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

Flammable. Respiratory and digestive tract irritant. Skin and eye irritant. May cause central nervous system effects.

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):

Acute: Pulmonary injury (if aspirated)

Signs and Symptoms:

Inhalation: Headaches, dizziness, anesthesia, drowsiness, unconsciousness, death

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory, kidney, liver diseases

Emergency and First Aid Procedures:

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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!) Keep victim at rest. Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give water with a teaspoon of table salt (NaCl). (Never give anything by mouth to an unconscious person!) Aspiration hazard. Keep victim at rest. Get medical attention immediately.

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

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: 81 F

Lower Explosive Limit: 1.9

Upper Explosive Limit: 12.3

F.P. Method:

Fire Extinguishing Media: Foam, dry chemical

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. Water may be used to cool fire-exposed containers. Avoid spraying directly into containers due to danger of boilover.

Unusual Fire and Explosion:

Material can accumulate static charges which can cause an incendiary electrical discharge. 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 bunged 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). Prevent additional discharge of material, if possible to do so without risk. Dike area. Soak up with inert absorbent material (sand or earth recommended; do not use flammable substances such as sawdust). Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Protect from direct sunlight. 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. Wash thoroughly after handling.

Other Precautions:

Material will accumulate static charges which may cause an electrical spark (ignition source).

"Empty" containers may contain product residue and may be dangerous. Empty containers should be completely drained and bunged 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:

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Safety goggles, rubber gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 282 F

Melting Point: -65 F

Evaporation Rate (Butyl Acetate = 1): 0.8

Vapor Pressure (mm Hg.): 19

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): 3.66

Solubility In Water: <0.10 wt%

Appearance and Odor: Colorless liquid; aromatic odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark), strong oxidizing agents, acids, halogens, sulfur, flammables, combustibles, reducing agents, organic matter

Decomposition/By Products:

Carbon monoxide

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

A draft report on a study conducted by the National Toxicology Program states that a lifetime inhalation of rats and mice to concentrations of ethyl benzene (750 ppm) resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations of ethyl benzene (75 ppm or 250 ppm). The draft report does not address the relevance of these results to humans.

XII. Ecological Information:

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

Discharge or spills which produce a visible sheen on either surface water, or in waterways/sewers which lead to surface water, must be reported to the National Response Center at 800-424-8802.

The xylene-ethyl benzene product, as sold, is derived from a fraction of crude oil and is excluded from the spill reporting requirements of CERCLA Section 101(14)(F). When this product is used in a mixture, or as an ingredient in another product, or in a manufacturing operation, the petroleum exclusion may terminate and an accidental spill may require reporting to the National Response Center at 800-424-8802.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

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Shipping name: Xylenes

Hazard class: 3

UN no.: 1307

Packing group: II

Flammable liquid!

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

The xylene-ethyl benzene product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990.

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

XVI. Other Information:

This product contains STADIS 450 Conductivity Improver. Typical additive concentration is 10 mL additive per 1,000 gallons of product. STADIS 450 has a reported shelf life of 10 years with no loss of conductivity-improving effectiveness. However, since product history/age is not always known, and unique conditions may occur which unknowingly impact the effectiveness of the additive, safe handling procedures and precautions should continue to be followed. Materials which may have a static accumulation hazard should be handled in accordance with guidance provided in NFPA Publication 77 or API Recommended Practice 2003 to ensure adequate protection to workers and facilities.

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.