

MSDS - Material Safety Data Sheet**Product Name: Three-Day Transparent Detection Fluid, Transparent/Brown****MSDS No.: VS615****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
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					
Mixture	Cabosil	N/D							NE	NE	
64175	Ethanol	N/D							1,000 ppm	1,000 ppm	57 F
56815	Glycerine	N/D							5 mg/m3	10 mg/m3	390 F
7761888	Silver nitrate	N/D					X		.01 mg/m3	.01 mg/m3	
7732185	Water (Distilled)	N/D							None	None	212 F

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

FLAMMABLE! May form explosive peroxides. May be fatal or cause blindness if ingested. May be absorbed through the skin. May cause respiratory and digestive tract irritation. Skin irritant. Severe eye irritant. May cause central nervous system depression. May cause liver and kidney damage. May cause adverse reproductive and fetal effects based on animal testing.

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

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Chronic: Skin defatting, dermatitis

Signs and Symptoms:

Inhalation: Headache, dizziness, drowsiness, unconsciousness, coma

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

Eyes: Burning, redness, tearing, inflammation

MSDS - Material Safety Data Sheet

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MSDS No.: VS615

Medical Conditions Generally Aggravated by Exposure:

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

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.

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:

V. Fire Fighting Measures:

Flash Point: 57 F

Lower Explosive Limit: 3.3

Upper Explosive Limit: 19

F.P. Method:

Fire Extinguishing Media: Water fog or fine spray, carbon dioxide, dry chemical, foam

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing. DO NOT use straight streams of water--will spread fire. Water may be ineffective, but may be used to cool fire-exposed containers. Cool containers with flooding amounts of water until well after fire is out.

Unusual Fire and Explosion:

Violent steam generation or eruption may occur upon application of direct water stream. Vapors from this product may travel some distance from original point to an ignition source and flash back. Vapors may be heavier than air. They may spread along the ground and collect in low or confined areas. Container may explode in the heat of fire. May form explosive peroxides.

"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). Dike if necessary. Cover and soak up with inert absorbent material (dry 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 tightly closed container. Maintain temperature between 64-130 F. Keep cool and dry. Avoid 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 inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

MSDS - Material Safety Data Sheet

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Other Precautions:

"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:

Safety goggles, gloves, vapor respirator, protective clothing

IX. Physical and Chemical Properties:

Boiling Point: 173.3 F

Melting Point: 64 F

Evaporation Rate (Butyl Acetate = 1): 2.0

Vapor Pressure (mm Hg.): 3

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): 3.1

Solubility In Water: Miscible

Appearance and Odor: Clear liquid; aromatic odor

Other Information:

X. Stability and Reactivity:

Stability:

Stable. May be sensitive to peroxide formation.

Incompatibility (Materials to Avoid):

Acids; azo, diazo, and hydrazines; isocyanates; metals; nitrides; peroxides; hydroperoxides; epoxides; oxidizing agents; reducing agents; water reactive substances; ignition sources (heat, open flame, spark)

Decomposition/By Products:

Aldehydes, carbon monoxide and dioxide, acrolein

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

May be fatal or cause blindness if ingested. May be absorbed through the skin. May cause central nervous system depression. May cause liver and kidney damage. May cause adverse reproductive and fetal effects based on animal testing.

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.

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XIV. Transport Information:

Keep in tightly closed container. Maintain temperature between 64-130 F. Keep cool and dry. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Electrically bond and ground all containers and equipment before transfer of material. Avoid inhalation and ingestion. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling.

XV. Regulatory Information:

Ethanol and water are listed on the TSCA inventory.

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.