

MSDS - Material Safety Data Sheet**Product Name: DFO (1,8-Diazafluorene-9-one)****MSDS No.: LV500/1****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:** 01/27/2011**Expiration Date:****Chemical State:** ☐ Liquid☐ Gas☒ Solid**Chemical Type:** ☐ Pure☒ Mixture

1	Health
1	Flammability
0	Reactivity
F	Pers. Protection

II. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS	IARC	SARA	OSHA	ACGIH	Other
			NTP	SUB Z	313	PEL	TLV	Limits
54078294	1.8-Diazafluorene-9-One	95				NE	NE	230C

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

Harmful if swallowed. May irritate eyes. Stains skin.

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

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):**Signs and Symptoms:****Medical Conditions Generally Aggravated by Exposure:**

Skin, eye, respiratory diseases

Emergency and First Aid Procedures:

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Inhalation: Remove to fresh air.

Ingestion: Seek immediate medical attention.

Skin: Wash with soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention.

Eyes: Rinse with plenty of water for 15 minutes and seek medical attention.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Carbon dioxide, dry chemical, foam, water

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion:

Can pose dust explosion hazard if dispersed in air.

"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 dust respirator, safety goggles, and rubber gloves. Sweep up and place in bag or vacuum up with proper filter equipped instrument. Avoid creating dust. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Use only in well-ventilated areas. Avoid dust generation and accumulation. Avoid contact with eyes. Wash thoroughly after handling.

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, dust respirator, protective clothing

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IX. Physical and Chemical Properties:

Boiling Point: NE

Melting Point: >230 C

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): NE

Specific Gravity (H2O = 1):

Vapor Density (AIR = 1): NE

Solubility In Water: Insoluble

Appearance and Odor: Odorless yellow powder

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Ignition sources (heat, open flame, spark)

Decomposition/By Products:

Carbon oxides, nitrogen oxides, sulfur oxides

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

Mutagenicity

A bacteriological mutagenicity (Ames) test was positive, but an in vitro cytogenetics (chromosome human lymphocyte aberration) test was negative.

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.

XIV. Transport Information:

Keep in closed container. Avoid ignition sources (heat, open flame, spark). Avoid incompatible materials. Avoid dust generation and accumulation. Avoid contact with eyes. Wash thoroughly after handling.

XV. Regulatory Information:

XVI. Other Information:

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

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