

# SPECTRONICS CORPORATION

## MATERIAL SAFETY DATA SHEET

AD-8609

Effective: 09/11/09

Pg. 1

Supersedes: N/A

### Section 1. Identification of the Substance/Preparation and Company

**PRODUCT NAME:** AD-8609**DESCRIPTION:** Premium, Superconcentrated Fluorescent Leak Detection Dye, Aircraft Oil-based Fluids **USE:** Leak Detection**EMERGENCY TELEPHONE #:** 800-424-9300 (24 HOURS) CHEMTREC. Call collect outside continental U.S.: 703-527-3887.**PRODUCT INFORMATION:** Spectronics Corporation, 956 Brush Hollow Road, Westbury, NY 11590, 800-274-8888

For calls originating outside continental U.S.: 516-333-1254.

### Section 2. Composition/Information on Ingredients

Common Name/Chemical Name	CAS Number	% W	*PEL	*TLV
Perylene Dye	See Below	100	5 mg/m <sup>3</sup> , 8 hr	5 mg/m <sup>3</sup> , 8 hr

**Fluorescent Dye:** The specific identity and composition has been withheld as a trade secret, New Jersey Trade Secret Registry Number NJ TSRN 80100312-5000P**\*Airborne Oil Mist Exposure Limits:** Lubricant OilACGIH TLV: 5 mg/m<sup>3</sup>, 8 hrACGIH STEL: 10 mg/m<sup>3</sup>OSHA PEL: 5 mg/m<sup>3</sup>, 8 hr

### Section 3. Hazards Identification

**EMERGENCY OVERVIEW:** Combustible liquid and vapor. May cause eye and skin irritation. Do not inhale, can cause respiratory system irritation. Do not swallow, can cause digestive tract irritation, nausea, vomiting, diarrhea.**Primary Routes of Exposure:** Eye. Skin. Inhalation (breathing).**Eye Contact:** Can cause slight to moderate irritation. **Skin Contact:** Irritation can occur following prolonged or repeated contact. **Inhalation (breathing):** Can cause irritation to eyes, nose, and respiratory tract following prolonged exposure. **Ingestion (swallowing):** Irritation to the mouth, throat, and stomach. **Additional Effects:** Depending on the route, frequency, and duration of exposure, toxicity may effect in the following organs and/or systems: headache, nausea, eye, nose and throat. **Aggravation of Existing Conditions:** Exposure to this product is not expected to contribute to, worsen or aggravate any existing medical conditions.**Carcinogenicity:**

Fluorescent Dye

ACGIH

No

IARC

No

NTP

No

OSHA

No

**HMIS HAZARD RATING:** Health: 1, Fire: 1, Reactivity: 0.

### Section 4. First-Aid Measures

**Eye Contact:** Flush eyes with plenty of water for 15 minutes. If irritation develops, consult a physician. **Skin Contact:** Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation develops, consult a physician. Wash contaminated clothing separately before reuse.**Inhalation (breathing):** Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.**Ingestion (swallowing):** Call a physician immediately. Induce vomiting only as directed by medical personnel. **Note to Physician:** Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

### Section 5. Fire-Fighting Measures

**Flash Point:** 222° F (106° C); **Test Method:** Cleveland Open Cup ASTM D-1310; **Explosive Limit:** LEL(%): Not Determined; UEL(%): Not Determined; **Autoignition Temperature:** Not Determined. **Unusual Fire and Hazardous Combustion and Decomposition Products:** Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Oxides of nitrogen. **Fire and Explosion Hazards:** May liberate irritating or toxic vapors during combustion or decomposition. **Extinguishing Media:** Based on the NFPA guide, use dry chemical, carbon dioxide, or alcohol foam suitable for Class B fires. Use water to cool containers exposed to fire. For large fires, use water spray or fog, thoroughly drenching the burning material; **Fire-Fighting Procedures/Equipment:** Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved, positive-pressure, self-contained breathing apparatus (SCBA) and full protective clothing.

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### Section 6. Accidental Release Measures

**Spill Containment and Recovery:** Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed dye and absorbent into a recovery or salvage drums for disposal. This is not an RCRA hazardous waste per Title 40 CFR 261. **Disposal:** Either incinerate or land fill in accordance with applicable local, state and federal regulations.

### Section 7. Handling and Storage

**Storage Conditions:** Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed. **Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. Contaminated clothing and shoes should be thoroughly cleaned and dried before reuse. **Empty Container Precautions:** Empty containers can retain product residues. Do not reuse empty container for food, clothing, or products for human or animal consumption or where skin contact may occur.

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls/Ventilation:** Maintain airborne concentrations below the established exposure limits (see PEL and TLV in section 2) by providing adequate ventilation. General (dilution) ventilation may be acceptable, however, local exhaust ventilation is recommended when vapors, mists, or dusts can be released. **Eye Protection:** Wear safety goggles. An eye wash facility should be readily available. **Skin Protection:** Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, always consult glove manufacturer to determine the proper type for specific operation. **Respiratory Protection:** Avoid breathing vapor and/or mist. If occupational exposure limits are exceeded wear NIOSH/OSHA approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

### Section 9. Physical and Chemical Properties

**Appearance:** Dark Red; **Odor:** Gas-like; **Physical State:** Liquid; **Specific Gravity (Water=1):** 0.93-0.96; **Vapor Pressure 68° F (20° C):** <0.01 mmHg @ 20°C; **Vapor Density (Air=1):** >5; **Percent Volatile by Volume (%):** Not Determined; **Evaporation Rate (Butyl Acetate=1):** <1; **Solubility in Water:** Insoluble; **pH:** Not Applicable; **Boiling Range:** Decompose >540° F (282.2° C).

**Note:** The physical data presented above are typical values and should not be construed as a specification.

### Section 10. Stability and Reactivity

**Chemical Stability:** Stable under normal conditions of storage and use; **Conditions to Avoid:** High temperatures. **Incompatibility with Other Materials:** Oxidizers and reducers; **Hazardous Polymerization:** Will not occur. **Hazardous Decomposition Products:** Combustion may produce carbon monoxide, carbon dioxide and oxides of nitrogen.

### Section 11. Toxicological Information

Oral LD<sub>50</sub> Rat >5 g/kg

Oral LD<sub>50</sub> Rabbit >2 g/kg

Lubricant Oil may cause transient irritation to eyes and/or skin.

### Section 12. Ecological Information

No data are available on this product.

### Section 13. Disposal Considerations

**Disposal:** Dispose of in accordance with all local, state, and federal regulations. **General Statements:** Federal regulations may apply to empty container. State and/or local regulations may be different. **General Recommendations:** Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based on environmental acceptability: (1) recycle or rework if at all feasible, (2) incinerate at an authorized facility, or (3) treat at an acceptable waste treatment facility. **Special Instructions:** Be sure to contact the appropriate government environmental agencies if further guidance is required.

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### Section 14. Transport Information

**DOT Shipping Name:** Not Regulated; **DOT Label:** Not Applicable; **DOT Identification No.:** Not Applicable; Nonregulated shipments by air under 49 CFR, IATA/ICAO AND IMO.

### Section 15. Regulatory Information

#### **U.S. Federal Regulatory Information:**

This product is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

#### **SARA Title III Information:**

**Ozone-Depleting Chemicals:** No regulated ingredients. **Section 302-Extremely Hazardous Substances:** No regulated ingredients. **Section 302-Reportable Quantity:** None. **Section 311/312-Hazard Categories:** Fire Hazard: No; Sudden Release of Pressure Hazard: No; Reactivity Hazard: No; Immediate (Acute) Health Hazard: No; Delayed (Chronic) Health Hazard: No. **Section 313-Toxic Chemicals:** No regulated ingredients.

**TSCA:** The chemical components of this product are contained on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

**CERCLA:** No regulated ingredients.

#### **State Right-To-Know:**

Pennsylvania - New Jersey R-T-K:

NAME	CAS NO. or NJ TSRN	W%
Fluorescent Dye	80100312-5000P	100

**California** - California Proposition 65: No regulated ingredients.

**Canada** - Not regulated

**CONEG:** No regulated ingredients.

### Section 16. Other Information

**USER'S RESPONSIBILITY:** A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions (in addition to those described herein) are required. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be.

**DISCLAIMER OF LIABILITY:** The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the users to comply with all applicable federal, state and local laws and regulations.

NA = Not Available

**End of Material Safety Data Sheet**