

TRACER PRODUCTS

MATERIAL SAFETY DATA SHEET

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TP-3400

Effective: 07/06/05

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Supersedes: 09/30/04

Section 1. Identification of the Substance/Preparation and Company

PRODUCT NAME: TP-3400

DESCRIPTION: Fluorescent Dye for Oil and Oil-Based Fluids (All-In-One™)

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, 800-641-1133.
For calls originating outside continental U.S.: 516-333-1254.

Section 2. Composition/Information on Ingredients

<u>Common Name/Chemical Name</u>	<u>CAS Number</u>	<u>% W</u>	<u>PEL(mg/m³)</u>	<u>TLV(mg/m³)</u>
Lubricant Oil	See Below	40-60	5*	5*
Fluorescent Dye (A)	See Below	30-40	NA	NA
Fluorescent Dye (B)	See Below	10-20	NA	NA

Lubricant Oil: The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ EIN 80100312-5004P

Fluorescent Dye (A): The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ EIN 80100312-5000P.

Fluorescent Dye (B): The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ TSRN 80100023-5021P.

*Airborne Oil Mist Exposure Limits: Lubricant Oil

ACGIH TLV: 5 mg/m³, 8 hr

ACGIH STEL: 10 mg/m³

OSHA PEL: 5 mg/m³, 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 mild 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. **Aggravation of Existing Conditions:** Exposure to this product is not expected to contribute to, worsen or aggravate any existing medical conditions.

<u>Carcinogenicity:</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Lubricant Oil	No	No	No	No
Fluorescent Dye (A)	No	No	No	No
Fluorescent Dye (B)	No	No	No	No

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

Section 4. First-Aid Measures

Eye Contact: Flush eyes with water for 15 minutes. If irritation develops, consult a physician. **Skin Contact:** Wash affected area with soap and water. If irritation develops, consult a physician. **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.

Section 5. Fire-Fighting Measures

Flash Point: Greater than 212°F, (100°C); **Test Method:** Not Tested; **Explosive Limit: LEL(%):** Not Determined; **UEL(%):** Not Determined; **Autoignition Temperature:** Not Determined. **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:** Small Fires: Use dry chemical, carbon dioxide, halon, water, spray, or foam. Large Fires: Water spray, fog, or alcohol foam.

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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 recovery or salvage drums for disposal. **Disposal:** Dispose of according to 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. **Special Warning:** Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. **Personal Hygiene:** Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. **Empty Container Precautions:** Do not reuse empty container for any purpose.

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. **Eye Protection:** Wear safety goggles. An eye wash facility should be readily available. **Skin Protection:** Wear protective clothing and appropriate impervious gloves. **Respiratory Protection:** Avoid breathing vapor and/or mist. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

Section 9. Physical and Chemical Properties

Appearance: Dark Red; **Odor:** Mineral Oil; **Physical State:** Liquid; **Specific Gravity (Water=1):** Lighter than water; **Solubility in Water:** Insoluble; **pH:** Not Applicable; **Boiling Range:** Undetermined; **Volatile Organic Compounds (VOC) Content:** None; **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. Source of ignition. **Incompatibility with Other Materials:** Oxidizers and reducers; **Hazardous Polymerization:** Will not occur. **Hazardous Decomposition Products:** Combustion may produce carbon monoxide and other asphyxiants.

Section 11. Toxicological Information

		Fluorescent Dye (A)*	Fluorescent Dye (B)	Lubricant Oils
Oral LD ₅₀	Rat	>5 g/kg	Not available	Not available
Dermal LD ₅₀	Rabbit	> 2 g/kg	Not available	Not available
Inhalation LC ₅₀	Rat	Not available	Slight to mild irritation	Slight irritation
Eye Irritation	Rabbit	Slight to mild irritation	Irritation	Slight irritation
Skin Irritation	Rabbit	Mild irritation	Irritation	Slight irritation

*Perylene-based Dye: Negative results were obtained in the Ames test. Negative results were obtained in the micronucleus assay.

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. **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. Regulated by 49 CFR as a combustible liquid when packaged in containers of 119 gallons or more.

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:** Not Applicable. **Section 311/312-Hazard Categories:** Fire Hazard: Yes; Sudden Release of Pressure Hazard: No; Reactivity Hazard: No; Immediate (Acute) Health Hazard: Yes; Delayed (Chronic) Health Hazard: No.

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	NJ EIN/CAS	% W
Lubricant Oil	80100312-5004P	40-60
Fluorescent Dye (A)	80100312-5000P	30-40
Fluorescent Dye (B)	80100023-5021P	10-20

California - California Proposition 65: This product contains no chemical known to the State of California to cause cancer.

CARCINOGEN: None; **TERATOGENIC:** None; **BOTH CARCINOGEN AND TERATOGENIC:** None

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 here under 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