

SPECTRONICS CORPORATION

MATERIAL SAFETY DATA SHEET

501 Powder

Pg. 1

Effective: 05/10/13

Supersedes: 11/17/10

Section 1. Identification of the Substance/Preparation and Company

PRODUCT NAME: 501 Powder

DESCRIPTION: Fluorescent Yellow Additive. **USE:** Fluorescent Powder

EMERGENCY TELEPHONE #: 800-424-9300 (24 HOURS) CHEMTREC; For calls originating 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

Product	Common Name/Chemical Name	CAS Number	% W	PEL(ppm)	TLV(mg/m ³)
501 Powder	Oxazinone Derivative	See Below	100	-	-

Cas Number: The specific identity has been withheld as a trade secret.

Section 3. Hazards Identification

EMERGENCY OVERVIEW: May cause eye, skin and respiratory system irritation.

Primary Routes of Exposure: Eye; Skin; Ingestion; Inhalation.

Eye Contact: Can cause irritation. **Skin Contact:** Irritation can occur following prolonged or repeated contact. **Ingestion (swallowing):** Ingestion can cause gastrointestinal irritation. **Inhalation:** May cause respiratory tract irritation resulting in coughing, sore throat and runny nose. **Aggravation of**

Existing Conditions: None Known

HMS 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: NA ; **Explosive Limit:** LEL(%): Not Determined; UEL(%): Not Determined; **Autoignition Temperature:** Not Determined. **Unusual Fire and Hazardous Combustion and Decomposition Products:** Oxides of carbon, nitrogen or sulfur **Extinguishing Media:** Water, Alcohol Foam, CO₂ Dry Chemical, Water Fog Spray **Fire-Fighting Procedures/ Equipment:** NA **Unusual Fire and Explosion Hazards:** Organic dusts have potential to be explosive with sparks or flame initiation. Maintain good housekeeping for control of dust.

Section 6. Accidental Release Measures

Spill Containment and Recovery: For a small spill sweep up or flush with copious amount of water until no color to be observed. For a large spill shovel up and place contaminated material in a suitable container for disposal. **Disposal Methods:** Disposal must be in accordance with applicable governmental regulations. However, the recommended dilution poses no adverse threat to the environment so that it can be flushed to the sewers.

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. Keep from freezing. **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. Protect from freezing.

Section 8. Exposure Controls/Personal Protection

Engineering Controls/Ventilation: Minimize airborne dust 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 mist and/or dust. 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: Yellow powder; **Odor:** None; **Physical State:** Solid; **Specific Gravity (Water=1):** Not Available; **Vapor Pressure 68° F (20° C):** Not Available; **Vapor Density (Air=1):** Not Available; **Percent Volatile by Volume (%):** Not Available; **Evaporation Rate (Butyl Acetate=1):** Not Available; **Solubility in Water:** Dispersible; **pH:** app. 5 @ 5g/l; **Boiling Range:** Not Available. **Melting Point:** >374°F.

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:** None. **Incompatibility With Other Materials:** Oxidizers and reducers; **Hazardous Polymerization:** Will not occur. **Hazardous Decomposition Products:** Oxides of carbon, nitrogen, and sulfur.

Section 11. Toxicological Information

Threshold limits values: None on this product.

Oral LD ₅₀	Rat	>2000mg/kg
Dermal LD ₅₀	Rabbit	No Data
Inhalation LC ₅₀	Rat	No Data
Eye Irritation	Rabbit	No data

Section 12. Ecological Information

No data.

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.

Section 14. Transport Information

DOT Shipping Name: Not Regulated; **DOT Label:** Not Applicable; **DOT Identification No.:** Not Applicable

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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.

This product does not contain any toxic chemicals listed under section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

State Right-To-Know: None

Pennsylvania - New Jersey R-T-K:

NAME	CAS NO	%W
501 Powder	NA	100

California - California Proposition 65: No regulated ingredients.

CONEG: No data available.

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