

MATERIAL SAFETY DATA SHEET

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Date of Preparation: 03-24-03
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SECTION I. IDENTIFICATION

- * Product Name: LDS 698
- * Synonym(s): [2-[4-[4-(dimethylamino)phenyl]-1,3-butadienyl]-1-ethylpyridinium monoperchlorate
- * Cat No.: 06980

SECTION II. PRODUCT AND COMPONENT HAZARD DATA

<u>COMPONENT(s):</u>	<u>Percent</u>	<u>TLV</u>	<u>CAS Reg. No.</u>
LDS 698	~100	N/D	87004-02-2

SECTION III. PHYSICAL DATA

- * Appearance and odor: Purple needles, no odor
- * Melting Point: 208-209°C
- * Vapor Pressure: Negligible
- * Evaporation Rate (n-butyl acetate=1): Negligible
- * Volatile fraction by Weight: Negligible
- * Specific Gravity (water=1): Not available
- * Solubility in Water: Slightly Soluble

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

- * Flash Point: Not applicable.
- * Extinguishing Media: Water spray; Dry chemical; Carbon dioxide.
- * Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
- * Unusual Fire and Explosion Hazards: Fire or excessive heat may produce hazardous decomposition products.

SECTION V. REACTIVITY DATA

- * Stability: Stable.
- * Incompatibility: Strong oxidizers.
- * Hazardous Decomposition Products: Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen will also be present. Hydrogen chloride gas will be present.
- * Hazardous Polymerization: Will not occur.

SECTION VI. TOXICITY AND HEALTH HAZARD DATA

- A. EXPOSURE LIMITS: Mutagenic: Ames Test
IARC: Not Listed
NTP: Not Listed
- B. EXPOSURE EFFECTS:
Inhalation: Low hazard for usual industrial handling.
Skin: Low hazard for usual industrial handling.
Eye: No specific hazard known. Contact may cause transient irritation.
Ingestion: Expected to be a low ingestion hazard.
- C. FIRST AID:
Inhalation: Remove to fresh air.
Skin: Wash after each contact.
Eye: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if symptoms are present.
Ingestion: Drink 1-2 glasses of water. Seek medical attention.

SECTION VII. VENTILATION AND PERSONAL PROTECTION

- * Ventilation: Good general room ventilation is recommended. Local exhaust may be needed.
- * Respiratory Protection: A NIOSH approved respirator with an assigned protection of at least 100 must be worn.
- * Skin and Eye Protection: Protective gloves should be worn. Safety glasses should be worn.

SECTION VIII. SPECIAL STORAGE AND HANDLING PRECAUTIONS

- * Keep from contact with oxidizing materials.
- * Handling Precautions: In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid contact with eyes and prolonged or repeated skin contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. For **laboratory** use by technically qualified individual only.
- * Shipping and Storing Precautions: Keep container tightly closed when not in use and during transport.
- * Personal Hygiene: Wash thoroughly after handling.

SECTION IX. SPILL, LEAK, AND DISPOSAL PROCEDURES

Sweep up material and package for safe feed to an incinerator. Dispose by incineration or contract with licensed chemical waste disposal agency. Follow all federal, state and local laws.

SECTION X. REGULATORY INFORMATION

- * Dot Proper Shipping Name: Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 Hazardous Materials Table.
- * Dot Class: None.
- * Dot Number: None.
- * RCRA Status: Not a hazardous waste under RCRA (40 CFR 261).
- * CERCLA Status: Not listed.
- * SARA/Title III - Toxic Chemicals List: This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under SEC. 313 (40 CFR 372).
- * TSCA Inventory Status: Chemical components not listed on TSCA inventory.