

MATERIAL SAFETY DATA SHEET

Page 1 of 2

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Section 1. PRODUCT IDENTIFICATION

PRODUCT NAME: ELECTROLYTE

CHEMICAL FAMILY - ELECTROLYTES
DOT CLASS - Not Regulated by DOT

Section 11. COMPOSITION

HAZARDOUS INGREDIENTS: None

This material is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, 29 CFR Part 1910, 1910.1200, "Hazard Communication."

Section 111. PHYSICAL DATA

Melting Point - N/A SPECIFIC GRAVITY (H₂O = 1) - 1.98
VAPOR PRESSURE, mm Hg - N/A PERCENT VOLATILE - NOT APPLICABLE
SOLUBILITY IN WATER - SOLUBLE
APPEARANCE AND ODOR - WHITE POWDER WITH SCENT

Section IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT - Not Applicable. FLAMMABLE LIMITS - Not Applicable
Electrolyte is a non-flammable inorganic salt.

It will not support combustion, and is non-hazardous. When subjected to very high temperatures, it may release small amounts of chlorine gas.

Section V. REACTIVITY DATA

STABILITY - Stable under all normal conditions.

INCOMPATIBILITY (Materials to avoid) - Contact with hot nitric acid may cause evolution of toxic nitrosyl chloride.

Contact with other strong acids may product irritating hydrogen chloride gases.

HAZARDOUS POLYMERIZATION will not occur.

Section VI. HEALTH HAZARD DATA

Permissible Exposure Limit or TLV - None established. We suggest the OSHA nuisance dust limit of 15 milligrams per cubic meter of air for an eight-hour time-weighted average.

EFFECTS OF OVEREXPOSURE:

ACUTE - Irritation of the eyes, skin (Typically in cut or open wound), nasal passages, and trachea. Swallowing a large amount of potassium chloride may cause irritation with gastrointestinal tract, cramps, diarrhea, tingling of hands or feet, weak pulse, and circulatory disturbances.

LONG-TERM - Very high concentrations of dust (up to 2000 milligrams per cubic meter) may cause perforation of the nasal septum. Long-term exposure to high concentrations could cause chronic cough and mild bronchitis. There is no evidence of permanent lung damage due to long-term exposure of product.

TOXICITY DATA: Oral, rat - LD50:3020 mg/kg

This product is not a known or suspect human or animal carcinogen.

FIRST AID: Eyes - Flush thoroughly with water, including under the eyelids. See a physician if discomfort or irritation persists.

Skin - Wash with water.

Inhalation - Remove to fresh air. Get medical attention if discomfort persists. Ingestion - Give large amounts of water and then cause vomiting. See a physician as soon as possible if a large amount of product is swallowed.

SECTION VII. SPILL, LEAK, AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If uncontaminated, sweep up or collect, and reuse as product.

If contaminated with other materials, collect in suitable containers.

WASTE DISPOSAL METHOD - Can generally be disposed of in an approved disposal facility, in accordance with applicable federal, state, and local regulations. Depending upon type and extent of contamination, if any, other disposal methods may be required by environmental regulatory agencies.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved dust respirators, with approval

TC-21C-xxx, until feasible engineering controls are completed.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than Permissible Exposure Limits is recommended.

EYE PROTECTION: If dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes.

OTHER PROTECTIVE EQUIPMENT: Optional.

SECTION IX. SPECIAL PRECAUTIONS

Store in a dry location to avoid loss of product by solution in water, and to avoid subsequent caking.

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