

MATERIAL SAFETY DATA SHEET

MATERIAL: LACTULOSE SOLUTION, USP

MANUFACTURER: PHARMACEUTICAL ASSOCIATES, INC.
201 Delaware Street
Greenville, S.C. 29605

EMERGENCY NUMBER: Poison Control Center 1-800-922-1117

ACTIVE INGREDIENTS: Lactulose USP as 10 gm
Lactulose Concentrate USP

MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS Chemical Name & Common Names

Lactulose USP as
Lactulose Concentrate USP
Pineapple Orange Blend
FD&C Yellow No.6
Sodium Hydroxide, NF (as needed)
Purified Water, USP

HEALTH HAZARD INFORMATION

PRIMARY ROUTE OF ENTRY: Ingestion/Not hazardous

CARCINOGEN LISTED: Not Listed

HEALTH HAZARDS: **Acute;** flatulence and intestinal cramps; excessive dosage can lead to diarrhea with complications such as loss of fluids, hypokalemia, and hypernatremia.

Chronic; nausea and vomiting have been reported

EFFECTS OF OVEREXPOSURE: Diarrhea and abdominal cramps

EMERGENCY AND FIRST AID PROCEDURES: CONTACT EMPLOYEE HEALTH SERVICES IMMEDIATELY.

- 1. INHALATION:** Remove to fresh air and contact a physician or poison control center.
- 2. EYE CONTACT:** Flush with running water for 15 minutes holding eyelids open. Then contact physician.
- 3. SKIN CONTACT:** Wash contaminated area with water. If skin irritation occurs, contact physician.
- 4. INGESTION:** Overuse: Contact a physician or poison control center.

SPECIAL PROTECTION INFORMATION

VENTILATION: Not required under normal conditions of therapeutic use.

RESPIRATORY PROTECTION: Not required under normal conditions of therapeutic use.

PROTECTIVE GLOVES & CLOTHING Not required under normal conditions of therapeutic use.

EYE PROTECTION: Safety glasses recommended.

ADDITIONAL MEASURES: None

PHYSICAL DATA

APPEARANCE: Clear Yellow-Orange Viscous Liquid

ODOR THRESHOLD: Pineapple Orange

MELTING POINT: N/A

VAPOR PRESSURE: N/A

BOILING POINT: N/A

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SPECIFIC GRAVITY: N/A

WATER REACTIVE: No

AUTOIGNITION TEMPERATURE: N/A

FLASH POINT: N/A

FLAMMABLE LIMITS: Lower: N/A

Upper: N/A

EXTINGUISHING MEDIA: Water or same as surrounding area.

UNUSUAL FIRE & EXPLOSION HAZARDS: N/A

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS: Wear full protective clothing and self contained breathing apparatus.

REACTIVITY HAZARD DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS AND MATERIALS TO AVOID: Heat or Fire

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, chemical constituents may emit toxic fumes. Emits toxic fumes under fire conditions.

ENVIRONMENTAL PROTECTION

IF MATERIAL IS RELEASED OR SPILLED: Absorb with paper towel or mop. Residues may be flushed to sanitary sewer with water.

WASTE DISPOSAL METHOD: All wastes will be sent to an appropriate, approved disposal facility following standard operating procedures.

EPA HAZARDOUS WASTE #: None

SPECIAL PRECAUTIONS

PRECAUTIONS FOR HANDLING AND STORING: Store at controlled temp. 59-86°F.

OTHER PRECAUTIONS: Emits toxic fumes on combustion.