

Material Safety Data Sheet

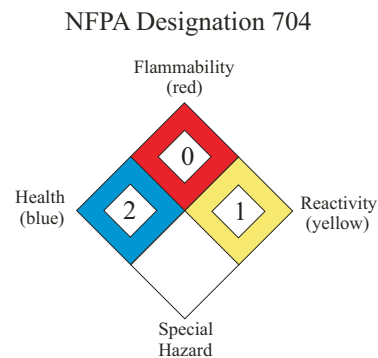
LinePurge 100

Non-Potable Water Treatment Formulation



Degree of Hazard

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant



EMERGENCY CALL: 877-535-9033

MANUFACTURER:

SPER Chemical Corporation 14770 62nd. Street N., Clearwater, FL 33760

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: LinePurge 100 - Non-Potable Water Treatment

COMMON NAME/SYNONYMS: Blended Monocarbamide Dihydrogensulfate, Maleic Homopolymers and stabilizers

DOT PROPER SHIPPING NAME: Un1760, Corrosive Liquid, Acidic, Organic, n.o.s., 8 PGIII

FORMULA: Proprietary

BULK DENSITY: 10.90 lbs./gallon

DESCRIPTION/APPEARANCE: Clear amber tint, slippery, slightly viscous liquid.

SECTION II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE INCLUDES:

Avoid contact with eyes, skin or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Get Medical Attention. Do not use with mild steel or aluminum equipment. Mild steel is not satisfactory because the solution dissolves rust (oxides of iron). Aluminum is also not satisfactory because it is subject to corrosion including severe pitting.

PROTECTIVE EQUIPMENT

EYES: Goggles

GLOVES: Impervious

OTHER: Protective Clothing

VENTILATION REQUIREMENTS:

Avoid breathing vapor or mist

STORAGE: Store in a secured location

SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL: Monocarbamide dihydrogensulfate, HPMA

SIGNIFICANT EFFECTS: Severe irritant to eyes, skin and mucous membranes.

OSHA PEL: None

LD 50: 350 MG/KG [mouse]

LC 50: >2000 mg/kg (rabbit)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT METHOD: N/A

OSHA CLASSIFICATION: Not self-igniting - Non-combustible liquid.

EXTINGUISHING MEDIA: Regular dry chemical - choose media suitable for surrounding materials including water spray, foam, dry chemical, or carbon dioxide.

EXPLOSIVE LIMITS:

Lower: ND **Upper:** ND

SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURE: This material will vigorously decompose, releasing carbon dioxide, if heated above 230-300°F. Closed containers exposed to extreme heat can rupture due to pressure buildup. Contact with common metals can generate hydrogen, which can form flammable mixture with air.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: None established

SYMPTOMS OF OVER EXPOSURE: Causes severe skin, eye and mucous membrane irritation.

EMERGENCY FIRST AID PROCEDURES:

SKIN: Immediately flush with large amounts of water. If skin surface is damaged, apply a clean dressing and contact physician.

EYES: May cause severe eye burns. Flush repeatable with water for 30 minutes. If eye irritation develops, call a physician.

INGESTION: ****Do not induce vomiting**** Immediately rinse mouth with water and dilute with one glass of milk or water.

Contact a physician.

SECTION VI - TOXICOLOGY / ECOLOGICAL INFORMATION

ACUTE ORAL LD 50: >5000 MG/KG (rat) slightly toxic

ACUTE DERMAL LD 50: >15000 MG/KG non-irritating (rabbit)

ACUTE INHALATION LC 50: No Data

CARCINOGENIC: Non-carcinogenic

MUTAGENIC: Non-mutagenic

EYE IRRITANT: Severely irritant

PRIMARY SKIN IRRITANT: Irritant

EFFECTS OF ACUTE EXPOSURE: May cause severe skin, eye and mucous membrane irritation.

EFFECTS OF CHRONIC EXPOSURE: None known.

ECOTOXICOLOGICAL: LC50 >900 mg/L 96 hours (Rainbow Trout)

EC50 > 1050 mg/L 48 hours (Daphnia magna)

SECTION VII - SPILL OR LEAKAGE PROCEDURES

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

Wear appropriate protective equipment including goggles, gloves, and respirator to prevent contact with skin, eyes or mucous membranes. Do not use with mild steel or aluminum equipment. Mild steel is not satisfactory because the solution dissolves rust (oxides of iron). Aluminum is also not satisfactory since it is subject to corrosion including severe pitting. Absorb with inert material (e.g. dry sand or earth), then place in a chemical waste container for later disposal. Keep out of sewers, storm drains, and surface waters. Comply with all governmental regulations on spill reporting, handling, and disposal of waste.

DISPOSAL METHOD: Dispose of contaminated product and materials used in cleaning up spill in a manner approved for this material. Consult appropriate Federal, State, and Local regulatory agencies to ascertain proper disposal procedures.

SECTION VII - HAZARDOUS REACTIVITY

STABILITY: Stable up to 230° F. Can react with common metals generating hydrogen gas.

CONDITIONS TO AVOID: Heat above 230°F will release carbon dioxide gas. **MATERIALS TO AVOID:** Amines, Alkalies,

HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorus oxides metals, oxidizers, sulfites (toxic gas).

SECTION IX - PHYSICAL DATA

FLASH POINT: Non-flammable

FREEZING POINT: - 25° C

SPECIFIC GRAVITY: 1.14

VAPOR PRESSURE: No data

SOLUBILITY IN WATER: Complete

pH PRODUCT AS IS: < 1.0

VOLATILES: No data

EVAPORATION RATE: ND

VAPOR DENSITY: No data

SECTION X - REGULATORY INFORMATION

UNITED STATES FEDERAL REGULATIONS:

TSCA Status: Yes. **TSCA 12(b) export notification:** Not Listed

DOT Shipping Name: UN1760, Corrosive Liquid, Acidic, Organic, n.o.s., 8 PGIII

CANADA REGULATIONS:

DSL: All components are listed on DSL list.

CIDL: None listed on the CIDL.

NOTICE

The information herein is to our knowledge true and accurate. All information appearing on this document is based on data obtained from the manufacturer and/or recognized technical sources. Because of conditions beyond our control, we make no warranty or representation, expressed or implied, except that the product discussed herein conform to the chemical descriptions shown on their labels/product data. No agent, representative or employee of this company is authorized to vary any of the terms of this notice.