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NFPA HAZARD CODE
HEALTH-1 FIRE-0 REACTIVITY-0

MATERIAL SAFETY DATA SHEET

TRADE NAME: SAVOGRAN **DIRTEX Pump Cleaner and Refill** EFFECTIVE DATE: January, 2004
CHEMICAL NAME: Mixture C.A.S. No.: Not Applicable Class: CLEANING COMPOUND
DOT SHIPPING NAME AND LABELING: Cleaning Compound - Not Regulated

SECTION 2

HAZARDOUS INGREDIENTS

	<u>C.A.S. No</u>	<u>Wt %</u>	<u>Exposure Guidelines</u>
2-Butoxyethanol*	111-76-2	<4	OSHA 50 ppm TWA-Skin ACGIH 20 ppm TWA, A3
Ammonia	7664-41-7	<1	OSHA 50 ppm TWA ACGIH 25 ppm TWA ACGIH 35 ppm STEL
Water	7732-18-51	Balance	

SARA REQUIREMENTS: This product contains toxic chemicals (marked "*" in SECTION 2) listed in paragraph 373.65 which are subject to reporting requirements of section 313 of title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 3

PHYSICAL DATA

Initial Boiling Point: 212°F	Specific Gravity: @ 60/60°F: 0.992
Vapor Pressure: Unknown	Percent Volatile: Essentially 100%
Vapor Density: Heavier than air	Evaporation Rate: Less than ether
Solubility in water: Total	Appearance: Clear, colorless liquid with mild ammoniacal odor
VOC (% by wt.): 4	pH: 10 - 11

SECTION 4

FIRE AND EXPLOSION DATA

FLASH POINT: None
FLAMMABLE LIMITS: Unknown
EXTINGUISHING MEDIA: Alcohol foam, water fog, carbon dioxide or dry chemical
HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials: carbon dioxide, carbon monoxide, various hydrocarbons, etc.
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SECTION 5

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section 2

EFFECTS OF EXPOSURE - Routes of Entry - Acute (immediate)

Eyes: Can cause severe irritation, redness, tearing, blurred vision.
Skin: Short contact - no irritation. Prolonged or frequently repeated contact can cause irritation.
Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.
Swallowing: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

EFFECTS OF EXPOSURE - Chronic (delayed)

Carcinogenicity: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

Eyes: No chronic effects expected. Skin: No chronic effects expected.
Inhalation: When used as intended, no chronic effects expected.
Swallowing: If large amounts are ingested, organic injury to liver and kidneys may occur.

FIRST AID:

Eyes: Flood with plenty of water with eye lids held open for at least 15 minutes and get medical attention promptly.
Skin: Wash thoroughly with soap and water. Thoroughly launder contaminated clothing before reuse.
Inhalation: If illness occurs, remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, start artificial respiration. Call physician immediately.
Swallowing: Do not induce vomiting. Keep person warm and quiet and get medical attention. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis which can be fatal.

SECTION 6

REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (materials to avoid): Strong oxidizing agents

CONDITIONS TO AVOID: None

SECTION 7

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Review "SECTION 4 - UNUSUAL FIRE AND EXPLOSION HAZARDS."

SMALL SPILLS: Absorb liquid in paper, vermiculite, floor absorbent, or other absorbent material.

LARGE SPILLS: Same as small spill.

DISPOSAL OF WASTE: Contaminated absorbent must be disposed of in accordance with all local, state and federal regulations.

SECTION 8

SPECIAL PROTECTION INFORMATION

VENTILATION: Use local exhaust to control vapors

RESPIRATORY PROTECTION: If TLV of the product or any component is exceeded, a NIOSH/MSHA respirator is advised (See your safety equipment supplier.)

GLOVES: None required when used as intended.

EYE PROTECTION: None required when used as intended.

OTHER PROTECTIVE EQUIPMENT: No special protective clothing needed; however, wear long sleeved shirts with long pants to protect skin against splashes and spills.

SECTION 9

SPECIAL PRECAUTIONS

EMPTIED CONTAINERS: May retain product residues (e.g., vapor or liquid); therefore, all precautions given in this sheet must be observed.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool place, out of hot sun.