35-1201

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: [redacted]

PRODUCT NUMBER: 203820

PRODUCT USE: Liquid rug shampoo

COMPANY: Frontier Paper, Inc.

PRODUCT I.D. NUMBER (PIN): N.A.

WHMIS CLASS: D2B

DOT HAZARD CLASS: Non-Hazardous

DOT SHIPPING NAME:
N.A.

EMERGENCY PHONE: 1-800-478-8040

H.M.I.S.

2	HEALTH	HAZARD RATING
0	FIRE	4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. - Not Applicable N.E. = Not Established N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Water	7732-18-5	60-100	N.E.	N.E.	N.D.	N.D.
2-Butoxyethanol	111-76-2	6	25ppm	25ppm	470mg/kg	700ppm 7hr
Sodium metasilicate	6834-92-0	1-5	2mg/m³	2mg/m³	847mg/kg	N.D.
Sodium tripolyphosphate	7758-29-4	1-5	N.E.	N.E.	4100 mg/kg	N.D.
Anionic surfactants	N.A.	1-5	N.E.	N.E.	N.D.	N.D.

This mixture contains 6% 2-Butoxyethanol which is subject to the 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

Color: Blue/Green
Odor: Citrus
Physical State: Liquid
Solubility in Water: Complete

Boiling Point: 100°C (212°F)
Freezing Point: 0°C (32°F)
Water/Oil Distribution: N.E.
Odor Threshold: N.E.

Vapor Pressure: <30 mm of Hg
Vapor Density (Air=1): <1
Evaporation Rate (Water=1): N.E.
VOC Content: 4.0%

pH: 12.1 - 12.7
1% pH: 8.6
Specific Gravity: 1.03 gm/ml
Weight per Gallon: 8.58 lbs./gal.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.
Autoignition Temperature: N.A.
Extinguishing Media: Use dry chemical or CO2.

Flammable Limits: N.A.
LEL: N.A. **UEL:** N.A.
Special Fire Fighting Procedures: None.

Hazardous Combustion Products: N.A.
Unusual Fire and Explosion Hazards: None.

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable.
Incompatibility (Materials to Avoid): Strong acids and oxidizers.
Hazardous decomposition of By-Products: None known.
Hazardous Polymerization: Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion. Inhalation. Skin contact. Eye contact.
Sensitization: No.

EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):
Eyes: Direct contact may cause severe irritation, redness.
Skin: May cause irritation, redness. May be absorbed through skin with prolonged or repeated contact.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhea.
Inhalation: Prolonged exposure in poorly ventilated area may cause respiratory irritation.

Toxicologically Synergistic Products: None known.
Medical Conditions Aggravated by Exposure: None known.

Carcinogenic Effects: NO carcinogenic effect.
Mutagenic Effects: NO mutagenic effect.
Teratogenic Effects: NO teratogenic effect.
Reproductive Toxicity: NO reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate ventilation.
Protective Gloves: Rubber for prolonged exposure.
Protective Clothing and Equipment: As needed to prevent wetting of skin.
Storage Requirements: Store in cool, dry area. Follow good housekeeping practices.

Ventilation: Local Exhaust: Acceptable Mechanical: Recommended
Eye Protection: Safety glasses if splashing is likely.
Work and Hygienic Practices: Wash thoroughly after handling.
Other Requirements: Keep out of reach of children.

Steps to be Taken if Material is Spilled or Released: Collect and reuse if possible. Flush to sewer with large quantities of water if permitted by regulatory authorities or absorb on inert material (sand, clay, etc.) and place into container for proper disposal. Do not allow runoff into public waterways.

Waste Disposal: Dispose of as permitted by all federal, provincial, state and local regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:
Eyes: Flush with a large amount of water for 15 minutes holding eyelids open.
Skin: Wash with mild soap and water.
Ingestion: Give 2-3 large glasses of water. Do not induce vomiting. Seek medical attention.
Inhalation: Remove to fresh air and rest. In all cases if symptoms persist, seek medical attention.
Note to Physician: No additional information.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department
Phone:
Date of Preparation: JUNE, 2002