

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: LOW SUDS DETERGENT

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

PRODUCT NUMBER: NA

WHMIS CLASS: D2B

PRODUCT USE: Concentrated laundry detergent

DOT HAZARD CLASS: Non-Regulated

COMPANY:

P.B. GAST AND SONS CO., INC
355 COTTAGE GROVE S.E.
GRAND RAPIDS, MICHIGAN 49507

DOT SHIPPING NAME:
N.A.

EMERGENCY PHONE: 800-843-6174

H.M.I.S.

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

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
Sodium carbonate	497-19-8	40-70	N.E.	N.E.	5.6g/kg	N.D.
Sodium metasilicate	6834-92-0	5-10	2mg/m ³	2mg/m ³	847mg/kg	N.D.
Nonionic surfactants	N.A.	10-30	N.E.	N.E.	N.D.	N.D.

This mixture does not contain components which are 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: White	Boiling Point: N.A.	Vapor Pressure: N.A.	pH: N.A.
Odor: Lemon	Freezing Point: N.A.	Vapor Density (Air=1): N.A.	1% pH: 10.0 - 11.0
Physical State: Solid	Water/Oil Distribution: N.E.	Evaporation Rate (Water=1): N.A.	Specific Gravity: N.A.
Solubility in Water: <30%	Odor Threshold: N.E.	VOC Content: 0.0%	Weight per Gallon: N.A.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: N.A.	Autoignition Temperature: N.A.	Extinguishing Media: Use water spray, fog or foam.
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.	Hazardous decomposition of By-Products: None known.
Incompatibility (Materials to Avoid): None known.	Hazardous Polymerization: Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion. Inhalation. Eye contact.	Toxicologically Synergistic Products: None known.
Sensitization: No.	Medical Conditions Aggravated by Exposure: None known.
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):	
Eyes: May cause irritation.	Carcinogenic Effects: NO carcinogenic effect.
Skin: May cause irritation.	Mutagenic Effects: NO mutagenic effect.
Ingestion: May cause gastrointestinal irritation, nausea.	Teratogenic Effects: NO teratogenic effect.
Inhalation: May irritate respiratory tract when used with inadequate ventilation.	Reproductive Toxicity: NO reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use NIOSH/OSHA approved dust mask.	Ventilation: Local Exhaust: Acceptable Mechanical: Recommended
Protective Gloves: Rubber/Neoprene.	Eye Protection: Chemical goggles.
Protective Clothing and Equipment: As needed to prevent excessive exposure to skin.	Work and Hygienic Practices: After handling, always wash hands thoroughly with soap and water.
Storage Requirements: Store in cool, dry area. Follow good housekeeping practices.	Other Requirements: Keep out of reach of children.

Steps to be Taken if Material is Spilled or Released: Collect and reuse if possible. Sweep up material and place into container for proper disposal (or) flush to sewer with large quantities of water if permitted by regulatory authorities.

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. Seek medical attention.

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: 616-245-0574, 800-968-4278

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