

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: FORMULA FOUR-PART B

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

PRODUCT NUMBER: NA

H.M.I.S.

PRODUCT USE: Industrial degreaser manufacturing concentrate

WHMIS CLASS: D2B

DOT HAZARD CLASS: Non-Hazardous

COMPANY:

P.B. Gast & Sons Co., Inc.

P.O. Box 7349

Grand Rapids. MI 49510-7349

DOT SHIPPING NAME:

N.A.

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

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

EMERGENCY PHONE: 800-843-6174

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	10-30	N.E.	N.E.	N.D.	N.D.
Tetrasodium EDTA	64-02-8	30-60	N.E.	N.E.	4100mg/kg	N.D.
Surfactants	N.A.	30-60	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: Red	Boiling Point: 212°C (413.6°F)	Vapor Pressure: <30 mm of Hg	pH: 9.6 - 10.6
Odor: Bland	Freezing Point: 100°C (212°F)	Vapor Density (Air=1): <1	1% pH: 9.6
Physical State: Liquid	Water/Oil Distribution: N.E.	Evaporation Rate (Water=1): N.E.	Specific Gravity: 1.12 gm/ml
Solubility in Water: Complete	Odor Threshold: N.E.	VOC Content: 0.0%	Weight per Gallon: 9.36 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.	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.	Toxicologically Synergistic Products: None known.
Sensitization: No.	Medical Conditions Aggravated by Exposure: None known.
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):	
Eyes: Direct contact may cause irritation.	Carcinogenic Effects: NO carcinogenic effect.
Skin: Prolonged or repeated contact may cause irritation.	Mutagenic Effects: NO mutagenic effect.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhea.	Teratogenic Effects: NO teratogenic effect.
Inhalation: Non-hazardous in the case of inhalation.	Reproductive Toxicity: NO reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: None normally required with adequate ventilation.	Ventilation: Local Exhaust: N.A. Mechanical: N.A.
Protective Gloves: Rubber if needed to protect sensitive skin.	Eye Protection: As required to prevent splashing into eyes.
Protective Clothing and Equipment: As needed to prevent wetting of clothing.	Work and Hygienic Practices: Wash thoroughly after handling.
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. 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. Seek medical attention.

Inhalation: Non-hazardous in the case of inhalation.

Note to Physician: No additional information.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department

Phone: 616-245-0574

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