MATERIAL SAFETY DATA SHEET

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Product Name/Number..... HM-112
Company Name..... R.M. BOGGS CO.
Address..... P.O. BOX 1130
IOWA CITY, IA 52244
Emergency Response Number..... (800) 535-5053 (Infotrac)
Effective Date..... DECEMBER 1993

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DOT Ship Class..... CORROSIVE LIQUID, N.O.S. - CONTAINS POTASSIUM HYDROXIDE
R.Q. P.G. II
Emergency Response Guide Number.... 60

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HMIS RATING
HEALTH- 3 FLAMMABILITY- 0 REACTIVITY- 1 PERSONAL/PROTECTION- J

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I - COMPOSITIONAL INFORMATION

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Ingredients	Cas Number	Percent	OSHA PEL	ACGIH TLV	other Limits
POTASSIUM HYDROXIDE 45%	1310583	12-17	2 PPM		
SODIUM SULFITE	7757837	12-17	NONE EST.		
POLYACRYLIC ACID BASED POLYMERIC	9003047	5-9	NONE EST.		
POLYMALEIC ACID BASED POLYMERIC	26099092	5-9	NONE EST.		

Non-Hazardous Ingredients..... 48-66
Total..... 100

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II - PHYSICAL PROPERTY INFORMATION

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Appearance-Odor..... AMBER LIQUID, SLIGHT ODOR
pH..... 12+
Melting Point..... N.A.
Boiling Point..... 212°F
Vapor Pressure (mm HG)..... N.I.A.
Vapor Density (air = 1)..... N.I.A.
Solubility In Water..... COMPLETE
Percent Volatile (BY WEIGHT)..... ---
Specific Gravity (WATER = 1)..... 1.14
Evaporation Rate (WATER = 1)..... 1.00
Water Reactive..... NO

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III - FIRE AND EXPLOSION HAZARD INFORMATION

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Flash Point.....NON-FLAMMABLE
Auto Ignition Temperature.....
Lower Explosion Limit (%).....
Upper Explosion Limit (%).....
Extinguishing Media.....FOAM, DRY CHEMICAL, ALCOHOL FOAM CO2, WATER SPRAY
Special Fire Fighting Procedures.....SELF-CONTAINED BREATHING APPARATUS MUST BE WORN BEFORE ENTERING ANY FIRE.

Unusual Fire And Explosion Hazardous.....NONE

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IV - HEALTH HAZARD INFORMATION

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Primary Routes of Entry.....INGESTION, SKIN ABSORPTION INHALATION

Carcinogen Listed In.....NOT LISTED

Health Hazards: Acute.....SEVERE BURNS TO EYES, SKIN AND MUCOUS MEMBRANES

Signs And Symptoms of Exposure.....SEVERE BURNS TO EYES, SKIN AND MUCOUS MEMBRANES

Effects of Overexposure.....

Emergency And First Aid Procedures:
Inhalation.....REMOVE TO FRESH AIR.

Eye And Skin Contact.....FLUSH EYES WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY. FLUSH SKIN WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IF ANY IRRITATION PERSISTS.

Ingestion.....DO NOT INDUCE VOMITING. DILUTE BY GIVING LARGE AMOUNTS OF WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

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V - REACTIVITY INFORMATION

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Stability.....STABLE

Hazardous Decomposition Products....NONE

Hazardous Polymerization.....WILL NOT OCCUR

Incompatibility
(Materials To Avoid).....ACIDS, OXIDIZERS OR ANY REACTIVE MATERIALS

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VI - SPILL OR LEAK PROCEDURE INFORMATION

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For Spills.....STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb spill with paper towel or similar absorbent and place in dry garbage; or flush to sewer or ground with large amounts of water.

Waste Disposal Methods.....AS PER LOCAL AND FEDERAL REGULATIONS

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VII - SPECIAL PROTECTION INFORMATION

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Respiratory Protection.....NIOSH APPROVED RESPIRATOR

Protective Gloves.....RUBBER GLOVES

Eye Protection.....CHEMICAL SPLASH GOGGLES AND/OR FACE SHIELD

Ventilation To Be Used.....LOCAL EXHAUST

Other Protective Equipment.....RUBBER APRON

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VIII - SARA TITLE III REGULATORY INGREDIENT INFORMATION

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1. Title III Section 302/304 Extremely Hazardous Substance List and/or CERCLA Hazardous Substance List.

   Component.....POTASSIUM HYDROXIDE 45%

   Cas Number.....1310583

   Percent.....12-17

   T.P.Q.(LBS).....1,000

   R.Q.(LBS).....1,000

2. Title III Section 313 Toxic Chemicals Annual Release Reporting Requirements (SARA Section 313 Toxic Chemicals List).

   Component.....POTASSIUM HYDROXIDE 45%

   Cas Number.....1310583

   Percent.....12-17

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User's Responsibility

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The information and recommendations contained herein cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operations.

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Disclaimer Of Liability

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