



Ecolab Center
St. Paul, Minnesota 55102

BINGO LIQUID DRAIN CLEANER

61035112

MATERIAL SAFETY DATA SHEET

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MEDICAL EMERGENCY ONLY, 24 HOUR SERVICE: 1-800-328-0026
Medical Calls from Outside of the USA: 612 292 4064 (USA)

ECOLAB PROFESSIONAL PRODUCTS
DIVISION OF ECOLAB INC.
Ecolab Center, ST. PAUL, MN 55102

For Product Information,
Call: 1-800-247-5362
Date of Issue: December 2, 1996

1.0 IDENTIFICATION /

1.1 Product Name: BINGO LIQUID DRAIN CLEANER
1.2 Product Type: Caustic liquid drain cleaner
1.3 Hazard Rating: Health - 3 Fire - 0 Reactivity - 0

++ SARA 313 Toxic Chemicals, If Present, Are Preceded by "#" ++

2.0 HAZARDOUS COMPONENTS /

		%	PEL	TWA
2.1 Potassium hydroxide (caustic potash)	1310-58-3	20-40	None	2 C

STEL = 15 Minute Average
TWA = ACGIH 8 Hour Average

PEL = OSHA 8 Hour Average in Air
C = Ceiling Limit in Air; Do Not Exceed

3.0 PHYSICAL DATA /

3.1 Appearance: Clear liquid; no odor
3.2 Solubility in Water: Mixes with water in all proportions.
3.3 pH: 13 - 14
3.4 Initial Boiling Point: Over 212 deg F
3.5 Specific Gravity: 1.28

4.0 FIRE AND EXPLOSION DATA /

4.1 Special Fire Hazards: Contact with soft metals can produce flammable hydrogen gas/.
4.2 Fire Fighting Methods: Product does not support combustion.

5.0 REACTIVITY DATA /

5.1 Stability: Stable under normal conditions of handling.
5.2 Conditions to Avoid: Reacts vigorously with acids. Reacts with soft metals such as aluminum and zinc.

6.0 SPILL OR LEAK PROCEDURES / USE PROPER PROTECTIVE EQUIPMENT

6.1 Cleanup: Dike or dam large spills. Pump to containers or soak up on inert absorbent. Flush residue to sanitary sewer.
6.2 Waste Disposal: Unused product is RCRA Corrosive (D002). Consult state/local authorities for limits on chemical waste disposal.

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7.0 HEALTH HAZARD DATA /**DANGER****7.1 Effects of Overexposure to Concentrate:****Skin and Eyes:** CAUSES SEVERE CHEMICAL BURNS. Eye contact may cause blindness. Harmful contact may not cause immediate pain.

++ Immediate water flushing is vital in case of eye contact. ++

If Swallowed: HARMFUL OR FATAL. Causes chemical burns of mouth, throat and stomach.**If Inhaled:** Damages airways and lungs, depending upon amount and duration of exposure. Effects vary from irritation to bronchitis or pneumonia. People with lung problems may be more affected.

8.0 FIRST AID /**8.1 Eyes:** Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart so as to rinse entire eye. CALL A PHYSICIAN IMMEDIATELY.**8.2 Skin:** Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes; discard or wash well before reuse.**8.3 If Swallowed:** Rinse mouth at once; then drink 1 or 2 large glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.**8.4 If Inhaled:** Immediately move to fresh air.IMMEDIATELY CALL THE MEDICAL EMERGENCY NUMBER, 1-800-328-0026,
A POISON CONTROL CENTER OR A PHYSICIAN

9.0 PROTECTIVE MEASURES /**9.1 CONCENTRATE:****Respiratory:** Avoid breathing mists or vapors of this product.**Eyes:** Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.**Skin:** Use industrial rubber gloves, other protection as necessary to avoid skin contact. Wash well after handling.**Note:** Access to emergency systems to wash skin and eyes is recommended.

10.0 ADDITIONAL INFORMATION/PRECAUTIONS /**10.1 Purpose of 12/02/96 edition:** First issue in Ecolab format

KEEP OUT OF REACH OF CHILDREN

The above information is believed to be correct with respect to the formula used to manufacture the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

BINGO®

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CLASSIFICATION:

- Liquid Drain Cleaner

SCOPE:

- **Bingo** is formulated to open clogged pipes and perform routine maintenance on plumbing system. This heavier than water formulation reaches and effectively dissolves hair, protein, grease, oil and soap.
- **Bingo** liquid is harmless to pipes and septic tanks and is safer to use than sulfuric acid products.

USAGE:

Directions for use:

- Pour one pint or more directly into drain. Allow approximately 30 minutes standing time. Plunging before flushing may help. If drain is badly clogged with grease or anything inhibiting proper drainage, repeat in one hour or allow to stand over night.
- Use smaller amounts twice a month to keep drains flowing freely. Keep at room temperature. Keep away from aluminum.

USDA Establishments: Liquid Bingo is acceptable for use in sewage and/or drain lines of official establishments operating under the Federal meat, poultry, shell egg grading, and egg inspection programs.

CHEMICAL PROPERTIES:

- Compositional Information Potassium hydroxide CAS #1310-58-3
Water CAS #7732-18-5
- pH 13 - 14
- Specific Gravity 1.28
- Initial Boiling Point > 212°F
- Solubility in Water Mixes with water in all proportions
- Flash Point Product does not support combustion

PHYSICAL PROPERTIES:

- Appearance Clear
- Fragrance None
- State Liquid

ENVIRONMENT & SAFETY:

- Hazard Rating Health - 3 Fire - 0 Reactivity - 0
- Contains potassium hydroxide. Avoid contact with skin, eyes, and mucous membranes. To protect eyes, wear goggles or face shield and to protect skin wear rubber gloves when handling this product. Remove and wash contaminated clothing before reusing. Avoid contamination of food, water, or feed. Do not reuse empty container. Rinse empty container with water and discard.

INDUSTRIAL USE ONLY.

NOT FOR HOUSEHOLD USE.

STABILITY & STORAGE:

- Stable under normal conditions of handling.
- Reacts vigorously with acids. Reacts with soft metals such as aluminum and zinc.

FIRST AID:

- **Eyes** - Flush at once with cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart so as to rinse entire eye. **CALL A PHYSICIAN IMMEDIATELY.**
- **Skin** - Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes; discard or wash well before reuse.
- **If swallowed** - Rinse mouth at once; then drink 1 or 2 large glasses of water. **DO NOT** induce vomiting. **NEVER** give anything by mouth to an unconscious person.
- **If inhaled** - Immediately move to fresh air.

IMMEDIATELY CALL A POISON CONTROL CENTER OR A PHYSICIAN.

PACKAGING & PRODUCT NUMBERS:

Size Available	Product Number
12-32 oz.	61035112

PROFESSIONAL PRODUCTS DIVISION

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