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GLUG® CRYSTALS Drain Opener

Date: August 2017

Non-fuming, does not produce offensive odors or gases normally associated with other drain openers. Ideal for institutional, home, hospital, factory and office building use where strong odors are objectionable. Non-acid, powerful action crystalline flakes provide high surface area to the clog. Large flakes quickly dissolve grease, hair, soap, food and other organic material. Works faster than liquid caustic or bleached-based openers and is more economical to use.

Glug can be used for both emergency and preventive maintenance treatments of clogged or slow moving drains and waste lines. Safe for septic systems when used as directed. Contains no phosphates or aluminum. Hot water formula will not solidify in drains.

Will not stain and is harmless to most metal and plastic pipes, valves and fittings and will not damage chrome, brass or fine plumbing fixtures. Avoid contact with aluminum pipe or utensils, acrylic and fiberglass bathtubs, basins and surfaces. Available in four convenient-sized containers with child-resistant caps. **Glug** is also available in clog-specific liquid formulations for kitchen or bath. Both dry and liquid products are not sales-restricted.

Not to be used for clogged toilet bowls or completely stopped drains.



APPROVALS & LISTINGS

Not Applicable.

SPECIFIC USES

Use **Glug** to open drain and waste line blockages caused by grease, sludge, hair, lint and other organic matter. Can be used as a preventive maintenance product to keep drains free flowing

SPECIFIC APPLICATIONS*

Safe for use on most metal and plastic piping.

*For special applications which may not be covered on this or other Oatey literature, please contact Oatey Technical Services Department by phone 1-800-321-9532, or fax 1-800-321-9535, or visit our technical database web-site at www.oatey.com.

DIRECTIONS FOR USE

FOR SLUGGISH SINK OR TUB DRAINS: Sluggish drains are usually caused by buildup of grease, hair and soap scum. Where possible, remove strainer. Run hot water to warm drain lines. Pour one cup (4 to 6 net wt. oz.) of **Glug** drain opener into drain opening. Do not exceed recommended amounts. Run hot water until chemical is dissolved. Let stand a few minutes. Flush with hot water. Rinse cup with hot water. To keep drains clog free, repeat procedure monthly.

FOR FLOOR, GARAGE AND OTHER LARGE DRAINS: Follow directions above, except use three cups of odorless **Glug** drain opener.

FOR GREASE TRAPS: Dissolve 32 to 40 net wt. oz. per 100 Gallons of grease trap capacity. Pour into trap. Thoroughly rinse pail with water. Let sit overnight for best results. Repeat at least monthly to maintain proper functioning. Grease traps filled to capacity with solids should be pumped or cleaned to avoid down line problems.

FOR COMPLETELY CLOGGED DRAINS: Use **Hercules Drain Pipe Cleaner**. Follow directions.

FOR SEPTIC TANKS & CESSPOOLS: Septic tank or cesspool backups are usually due to systems in need of routine pumping. Systems that still back up after being pumped have drainage areas which have become clogged. This problem may be corrected with a **Cloroben Aid-Ox™** treatment. Additional information is available at the web site or by phone.

FOR TOILETS: DO NOT use this product.

PHYSICAL PROPERTIES

Density: 1.20
Solubility in water: Appreciable: 42g/100 cc of water at 0°C
Appearance/color/odor: White to off-white, odorless flakes.

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST SAFETY DATA SHEET (SDS) Kitchen Drains-#302, Bathroom Drains-#303

For Delivery By Fax	Call 1-800-321-9535
Internet	See SDS section of www.oatey.com

HMIS® ratings Health: 3
Flammability: 0
Physical hazard: 1

WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using product.
- **KEEP AWAY FROM CHILDREN. Keep children away until drain and surrounding area is rinsed.**
- Do not use **Glug** before, with, mixed with or after any other chemicals. May react violently with acids and hot water. Violent splattering of corrosive material can occur.
- Store in a cool, dry area on a high shelf or locked cabinet. Replace cap tightly and secure after use.
- Do not get in eyes, on skin, or on clothing. Wear rubber gloves and goggles or safety glasses when handling and using. Wash thoroughly after use including contaminated equipment, shoes and clothing.
- Keep hands and face away from pail during dissolving and pouring operation.
- Avoid breathing dust, mist, spray or vapors. Use with adequate ventilation.
- DO NOT wear contact lenses.
- Do not take internally. Causes permanent damage or death if swallowed.
- Never add water or chemicals to contents of this container. Dangerous chemical reaction, boiling or splatter can occur.
- Never use plunger or pressure device in plumbing which may contain Glug and do not cover drain while using this product.
- Store only in this container. Do not reuse empty container.
- Before disposing, be sure container is completely empty and rinse carefully with plenty of cold water to prevent accidental burns. Do not incinerate,
- Not for use in toilets, garbage disposals, dishwashers, clothes washers or any appliance nor piping which may connect to them. Heat generated may damage fixture.
- Do NOT use on aluminum or galvanized material, some floor coverings, wood, enameled or painted surfaces. Rinse immediately with water to minimize damage. If using thin gauge plastic plumbing lighter than Schedule 20 reduce dosage by one half. **Glug** may generate sufficient heat to damage thin gauge plastic piping.