

# HIGH HEAT

## GRANULAR DRAIN OPENER

**HIGH HEAT** contains powerful caustic granules activated with aluminum needles to quickly unclog drains and sewers and keep them free-flowing. When **HIGH HEAT** is added to water, it releases large amounts of heat and turbulence to liquefy, dissolve and loosen fats, oils and other organic matter that typically clog drains and sewer lines. Even though **HIGH HEAT** is extremely powerful, it will not harm drains, pipes and septic systems.



### FOR USE BY:

Canneries  
Restaurants  
Hotel/Motel  
Resorts  
Beauty/Barber Shop  
Meat Packers  
Food Processing  
Rendering Plants  
Municipalities  
Schools  
Nurse/Assisted Homes  
Hospitals  
WWTP

### FOR USE ON:

Manholes  
Toilets  
Shower/Tub Drains  
Sink Drains  
Septic Tanks  
Oil Collection Sys.  
Grease Coll. Sys.  
Animal Fats  
Hair  
Organic Matter  
Vegetable Oils  
Paper  
Hard-Water  
Deposits

### FEATURE-BENEFIT:

Contains heat  
generating aluminum  
needles.  
  
Liquefies Blockage  
  
Reduces Sludge Volume  
  
Economical by  
increasing efficiency.  
  
Loosens & Dissolves  
greases and organic  
materials.  
  
Extremely Powerful

### DIRECTIONS:

**Manholes:** Pour or shovel 25 pounds into manholes above the clog.

**Industrial:** Use 2-3 pounds in normal drains. Where grease or organic waste is high, use 5-8 pounds.

*Complete directions on product label.*

### TECHNICAL DATA:

Appearance: Yellow pellets with aluminum granules  
Odor: None  
Flash Point: None  
pH: 14.0  
Stability: 1 Year  
Solubility in Water: Complete (very reactive)

## HIGH HEAT GRANULAR DRAIN OPENER

### CONTACT INFORMATION

**OFFICE:**  
1-888-6PURITY (678-7489)  
**FAX**  
1-877-9PURITY (978-7489)  
**ADDRESS:**  
114 SOUTHFIELD PKWY  
SUITE 120  
FOREST PARK GA. 30297  
[www.puritychemicals.com](http://www.puritychemicals.com)

MATERIAL SAFETY DATA SHEET

Purity Chemicals, Inc.  
114 Southfield Pkwy., Suite 120  
Forest Park, GA 30297



GENERAL INFORMATION NUMBER: 888-678-7489  
CHEMTREC: (800) 424-9300

REVISION DATE: June 23, 2004  
DATE OF ISSUE: June 25, 2004

High Heat

PRODUCT CODE: 0616  
CHEMICAL FORMULATION: Granular alkaline drain opener.  
NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY :2  
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.						
SUBSTANCE	APPROX %	OSHA PEL		ACGIH TLV		CAS #
		302	355	372		
Sodium Hydroxide	> 50.0	2 mg/m <sup>3</sup> C	Y	N	N	1310-73-2
Sodium Nitrate	> 18.0	N/E	N	N	N	7631-99-4

Key: PEL : Permissible Exposure Limit TLV: Threshold Limit Value C : Ceiling level STEL :Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).  
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D SPECIFIC GRAVITY (WATER = 1): N/D  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/A  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/A  
SOLUBILITY IN WATER: Complete pH: 14.00  
APPEARANCE AND ODOR: Yellow pellets with aluminum granules; no odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): Closed cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical. Do not use water. Water will heat up mixture.  
SPECIAL FIRE FIGHTING PROCEDURES: Move containers from fire if possible without risk. Cool tightly closed containers with water from the side until well after fire is out. Firefighters should be equipped with full protective gear including self-contained breathing apparatus. Runoff may be corrosive. Contain and isolate runoff for proper disposal.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Addition of water to this compound will generate heat and hydrogen gas. Product contains oxidizers.

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V - Reactivity Data

STABILITY: Stable  
INCOMPATIBILITY: Acids, reducing agents, water. Product will generate large amounts of heat when wetted.  
CONDITIONS TO AVOID: Moisture.  
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce flammable hydrogen gas upon wetting.  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X EYE CONTACT: X SKIN CONTACT: X INGESTION: X  
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.  
EFFECTS OF OVEREXPOSURE  
IF IN EYES: Severe destruction of tissue, possibly resulting in blindness.  
IF ON SKIN: Severe irritation, severe burns and ulcerations.  
IF SWALLOWED: Danger-Poison! May be fatal if swallowed. Causes severe burns to mucous membranes, destruction of tissue, burns.  
IF INHALED: Severe irritation of respiratory tract Pulmonary edema, laryngeal spasms.  
EMERGENCY AND FIRST AID PROCEDURES  
IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes, or wash with a 5% boric acid solution. Obtain medical attention and continue flushing until medical attention arrives.  
IF ON SKIN: Immediately flood skin with water. Remove and launder contaminated clothing before re-use. Wash skin thoroughly with vinegar and water.  
IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting. Give person large quantities of water, followed with citrus fruit juice. Never give anything by mouth to an unconscious person.  
IF INHALED: Remove person to fresh air. If not breathing, administer artificial respiration. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Contain spill and remove all sources of moisture. Sweep up spilled material and place in a properly labeled closed container for re-use or disposal.  
WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe dust or vapors. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator following manufacturer's recommendations.  
VENTILATION LOCAL: Recommended MECHANICAL: Recommended  
PROTECTIVE GLOVES: Chemical resistant.  
EYE PROTECTION: Safety goggles.  
OTHER PROTECTIVE EQUIPMENT: Emergency shower and eyewash station. Protective clothing.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Keep container tightly closed when not in use.  
OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Corrosive solid, basic, inorganic, n.o.s. (Sodium Hydroxide)  
DOT CLASS: 8 DOT ID NUMBER: UN3262 DOT PACKING GROUP :II

The shipping information listed above applies only to non-bulk (<119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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