

# MATERIAL SAFETY DATA SHEET

HMIS CODES: 

|   |   |   |   |
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May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administrator  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

**IDENTITY (AS USED ON LABEL AND LIST):**

NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**GREEN-BLASTER DRAIN OPENER** **GB**

**Section I**

Manufacturer's Name:  
J.C. WHITLAM MANUFACTURING COMPANY

Emergency Telephone Number:  
CHEM-TEL (800) 255-3924

Address (Number, Street, City, State, and ZIP Code):  
200 WEST WALNUT STREET

Telephone Number for Information:  
(330) 334 - 2524

P.O. BOX 380

Date Prepared: January 1, 2010

WADSWORTH, OHIO 44282-0380

Signature of Preparer (optional):

**Section II - Hazardous Ingredients/Identity Information**

| HAZARDOUS COMPONENTS<br>(SPECIFIC CHEMICAL IDENTITY: COMMON NAME (S))  | OSHA PEL             | ACGIH TLV            | OTHER LIMITS Recommended | % (optional) |
|--|----------------------|----------------------|--------------------------|--------------|
| SODIUM HYDROXIDE (CAUSTIC SODA) [CAS#1310-73-2]  | 2 mg/m <sup>3</sup>  | 2 mg/m <sup>3</sup>  | N/A                      |              |
| ALUMINUM*<br>*ON TOXIC LIST (SECTION 313 OF SARA)  | 15 mg/m <sup>3</sup> | 15 mg/m <sup>3</sup> |                          |              |
| SHIPPING INFORMATION FOR 1 AND 2 POUND CONTAINERS:<br>DEPARTMENT OF TRANSPORTATION (DOT):<br>CONSUMER COMMODITY ORM-D                |                      |                      |                          |              |
| SHIPPING INFORMATION FOR 6 POUND CONTAINERS AND ALL FOREIGN SHIPMENTS:<br>SODIUM HYDROXIDE SOLID<br>8,UN1823,PGII<br>CORROSIVE SOLID |                      |                      |                          |              |

**Section III - Physical/Chemical Characteristics**

|                          |                                    |                                       |                     |
|--------------------------|------------------------------------|---------------------------------------|---------------------|
| Boiling Point:           | 2536° F (1391.11°C)<br>@ 760 mm Hg | Specific Gravity (H2O =1):            | 2.130 @ 68°F (20°C) |
| Vapor Pressure (mm Hg):  | N/A                                | Melting Point:                        | 318°C               |
| Vapor Density (AIR = 1): | N/A                                | Evaporation Rate (Butyl Acetate = 1): | N/A                 |

Solubility in Water: 100%

Appearance and Odor: ODORLESS - GRAY-GREEN BEADS

**Section IV - Fire and Explosion Hazard Data**

|                                |                   |          |          |
|--------------------------------|-------------------|----------|----------|
| Flash Point (Method Used): N/A | Flammable Limits: | LEL: N/A | UEL: N/A |
|--------------------------------|-------------------|----------|----------|

Extinguishing Media: THIS MATERIAL IS NOT COMBUSTIBLE. CONTACT WITH WATER MAY GENERATE ENOUGH HEAT TO IGNITE COMBUSTIBLE MATERIALS. FOAM, CARBON DIOXIDE, OR DRY CHEMICAL MAY BE USED.

Special Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING. AVOID DIRECT CONTACT OF THIS PRODUCT WITH WATER AS THIS CAN CAUSE VIOLENT EXOTHERMIC REACTION.

Unusual Fire and Explosion Hazards: THIS MATERIAL MELTS AT 318°C. MOLTEN MATERIAL WILL REACT VIOLENTLY WITH WATER. IT WILL REACT WITH METALS SUCH AS ALUMINUM, TIN AND ZINC TO PRODUCE FLAMMABLE HYDROGEN GAS.

|   |   |  |                      |           |
|---|---|--|----------------------|-----------|
| <b>Section V - Reactivity Data</b>  |   | <b>GREEN-BLASTER DRAIN OPENER</b>                        |                      | <b>GB</b> |
| Stability:  | Unstable:   |  | Conditions to Avoid: |           |
|   | Stable:   | X  |                      |           |
| Incompatibility (Materials to Avoid): AVOID CONTACT WITH WATER. THIS WILL PRODUCE AN EXOTHERMIC REACTION. AVOID CONTACT WITH LEATHER, WOOL, ACIDS, ORGANIC HALOGEN AND ORGANIC NITRO COMPOUNDS.   |   |  |                      |           |
| Hazardous Decomposition or Byproducts: NONE KNOWN   |   |  |                      |           |
| Hazardous Polymerization:   | May Occur:  |  | Conditions to Avoid: |           |
|   | Will Not Occur:   | X  |                      |           |
| <b>Section VI - Health Hazard Data</b>  |   |  |                      |           |
| Route(s) of Entry:  | Inhalation? YES   | Skin? YES  | Ingestion? YES       |           |
| Health Hazards (Acute and Chronic): ACUTE: CORROSIVE TO ALL BODY TISSUES WITH WHICH IT COMES INTO CONTACT. MAY CAUSE SUPERFICIAL DISTINCTION OF SKIN. INHALATION OF DUST, SPRAY, OR MIST MAY DAMAGE RESPIRATORY TRACT TISSUES AND INCREASE SUSCEPTIBILITY TO RESPIRATORY ILLNESS. CHRONIC: NONE KNOWN.  |   |  |                      |           |
| Carcinogenicity:  | NTP? NO   | IARC Monographs? NO                                      | OSHA Regulated? NO   |           |
| Signs and Symptoms of Exposure: BURNING OF SKIN, EYES, MOUTH, ETC.  |   |  |                      |           |
| Medical Conditions Generally Aggravated by Exposure: NONE KNOWN   |   |  |                      |           |
| Emergency and First Aid Procedures:<br>EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND CALL PHYSICIAN. INHALED: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF RESPIRATION STOPS, GIVE MOUTH-TO-MOUTH RESUSCITATION. SWALLOWED: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER FOLLOWED BY CITRUS FRUIT JUICE. SEEK MEDICAL ATTENTION IMMEDIATELY. SKIN: FLUSH WITH WATER FOR 15 MINUTES, THEN VINEGAR AND WATER SOLUTION. SEEK MEDICAL ATTENTION IMMEDIATELY. |   |  |                      |           |
| <b>Section VII - Precautions for Safe Handling and Use</b>  |   |  |                      |           |
| Steps to Be Taken in Case Material is Released or Spilled: AVOID BREATHING FUMES. LEAKS SHOULD BE STOPPED. SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY. LIQUID SPILLS SHOULD BE REMOVED WITH A VACUUM TRUCK. SOLID SPILLS SHOULD BE SCOOPED AND PLACED IN APPROVED CONTAINERS FOR DISPOSAL. THE SPILL AREA SHOULD THEN BE FLUSHED WITH LARGE AMOUNTS OF WATER.  |   |  |                      |           |
| Waste Disposal Method: DISPOSE OF WASH WATER AND SPILL BY-PRODUCTS ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.  |   |  |                      |           |
| Precautions to Be Taken in Handling and Storing: AVOID CONTACT WITH SKIN, EYES, OR CLOTHING. STORE IN A COOL DRY PLACE. AVOID CONTACT WITH MOISTURE.  |   |  |                      |           |
| Other Precautions: KEEP OUT OF REACH OF CHILDREN. PRODUCT IS CORROSIVE TO TIN, ALUMINUM, ZINC, AND ALLOYS CONTAINING THESE METALS AND WILL REACT VIOLENTLY WITH THESE METALS IN POWDER FORM.  |   |  |                      |           |
| <b>Section VIII - Control Measures</b>  |   |  |                      |           |
| Respiratory Protection (Specify Type):<br>NIOSH/MSHA APPROVED RESPIRATOR WHERE DUST, MIST OR SPRAY MAY BE GENERATED.  |   |  |                      |           |
| Ventilation:  | Local Exhaust: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN LEVELS BELOW TLV(S). |  | Special: N/A         |           |
|   | Mechanical (General): N/A   |  | Other: N/A           |           |
| Protective Gloves: WEAR RESISTANT GLOVES SUCH AS: NEOPRENE, NITRILE RUBBER, POLYVINYL CHLORIDE, POLYETHYLENE.   |   | Eye Protection: CHEMICAL SPLASH GOGGLES AND FACE SHIELD. |                      |           |
| Other Protective Clothing or Equipment: PROTECTIVE CLOTHING - RUBBER APRON WHEN HANDLING.   |   |  |                      |           |
| Work/Hygienic Practices: WASH THOROUGHLY AFTER HANDLING OR CONTACT. EXPOSURE CAN CAUSE BURNS WHICH ARE NOT IMMEDIATELY PAINFUL OR VISIBLE. KEEP CONTAINER CLOSED.   |   |  |                      |           |