



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
 UNITED 218 X-CAVATE

USE/DESCRIPTION
 Caustic Drain Maintainer and Opener

REVISION DATE
 June 10, 2013

HMIS III HEALTH (0 = Maximum Safety) **3**

Always follow Label Directions and Cautions.

* Chronic **2** Moderate
 4 Severe **1** Slight
 3 Serious **0** Minimal
See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) **2**

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. **2** Violent chemical change possible-use hose stream from distance
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. **1** Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) **0**

Susceptibility of Material to Burning.

4 Extremely flammable. **1** Must be preheated to burn.
 3 Ignites at normal temperature. **0** Will not burn.
 2 Ignites when moderately heated.

PERSONAL PROTECTION: 0



2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | CAS# | %Range | ACGIH (TLV) | OSHA (TLV) | LD50 (Species/Route) | LC50 (Species) |
|-----------------------|-----------|--------|-------------|------------|-------------------------|----------------|
| Sodium hydroxide | 1310-73-2 | 90-100 | C:2 mg/m3 | 2 mg/m3 | 500 mg/kg (rabbit/oral) | NE |

3. HAZARDS IDENTIFICATION

Eyes: Destructive; exposure may cause burns, eye injury and blindness.

Skin: Destructive; overexposure may produce burns.

Inhalation: Excessive inhalation may damage respiratory tract. Possible nausea, dizziness, and difficulty breathing.

Ingestion: Extremely corrosive. Large quantities could cause severe pain, nausea, and death.

4. FIRST AID MEASURES

Eyes: Flush with water for at least 15 minutes while holding eyelids open. Call a physician or poison control center immediately.

Skin: Remove contaminated clothing immediately and launder before reusing. Wash skin thoroughly with water. Call a physician or poison control center immediately.

Inhalation: Remove to fresh air. Apply CPR if needed. Call a physician or poison control center immediately.

Ingestion: DO NOT induce vomiting. If conscious, rinse mouth with water and dilute stomach contents by giving water. Keep head below hips to prevent breathing vomit into lungs. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): NA Upper (UEL): NA

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, such as a fire, this product may produce oxides of carbon.

Fire and Explosion Hazards: Extinguish all ignition sources, Flammable Hydrogen Gas may be liberated.

Extinguishing Media: Water fog; Carbon dioxide; Dry chemical

Fire Fighting Instructions: Firefighters should wear full protective equipment and NIOSH-approved self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Immediately wear appropriate clothing. Shovel up material and return to container. Final residues may be flushed with copious amounts of water. Keep spilled material out of waterways and sewers.

Large Spills: Immediately wear appropriate clothing. Shovel up material and return to container. Final residues may be flushed with copious amounts of water. Keep spilled material out of waterways and sewers.

7. HANDLING AND STORAGE

Keep out of reach of children. Keep containers tightly closed when not in use. Avoid eye and skin contact. Store in a cool, dry area away from acids. Protect contents from moisture. Do not add water to the container. Use in well-ventilated areas to avoid breathing fumes generated by this product. Practice good hygiene after handling this material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: Where overexposure may exist and ventilation is restricted use of an approved NIOSH/MSHA dust respirator is advised. Engineering or administrative controls should be implemented to control dust.

Engineering Controls: Sufficient ventilation in volume and pattern should be provided to keep air contamination at a minimum.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA

Specific Gravity: 2.13 (H₂O=1)

Vapor Pressure: ND

Melting Point: NA

Vapor Density: NA

Evaporation Rate: NA

Solubility in Water: Partial

pH: 13-14

Appearance and Odor: Orange pearls with lemon scent

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon.

Chemical Stability: Stable

Incompatibility: Active metals; Strong acids; Oxidizers

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request.

TDG: Available upon request.

UN: Available upon request.

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Sodium hydroxide CAS# 1310-73-2 (99%)

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.