1. IDENTIFICATION

Product Identifier
Product Name United 218 X-CAVATE

Other means of identification
SDS # UNITED-218

Recommended use of the chemical and restrictions on use
Recommended Use Caustic Drain Maintainer and Opener
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet
Supplier Address
United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency Telephone Number
Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Orange Pearls
Physical State Solid Beads
Odor Lemon scent

Classification
Skin corrosion/irritation Category 1A
Serious eye damage/eye irritation Category 1

Signal Word
Danger

Hazard Statements
Causes severe skin burns and eye damage.
May be harmful if inhaled.
Precautionary Statements - Prevention
Keep only in original container.
Do not breathe/dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.

Precautionary Statements - Response
Immediately call a poison center or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage
Store according to local rules and regulations.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

Potential Health Effects
EYES: Contact causes severe eye irritation.
SKIN: Corrosive causes skin burning.
INGESTION: Toxic if swallowed.
INHALATION: Over exposure can be toxic.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>&lt;65</td>
<td>1310-73-2</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

First Aid Measures

Eyes
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

Skin
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor/physician. Remove and wash contaminated clothing before re-use.

Inhalation
If breathing, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable Class
Product does not burn.

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire Fighting Equipment
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Sensitive to Static Discharge
None

Sensitivity to Impact
None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Procedures
No action should be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Special Protective Equipment
Avoid breathing vapors and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Ensure adequate ventilation. Wear personal protective equipment as required based on a risk assessment. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or spray mist. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food or rink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
OSHA Components (29 CFR1910. 1200)  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Exposure Limits</th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>OSHA PEL</td>
<td>Supplier OEL</td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ppm</td>
<td>Mg/m^3</td>
<td>Ppm</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>NL</td>
<td>NL</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NL</td>
<td>NL</td>
<td>NL</td>
</tr>
</tbody>
</table>

**Engineering Controls**

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal Protective Equipment**

- **Eyes and Face:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dust.
- **Skin:** Personal protective equipment or the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- **Respiratory:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Work Hygienic Practices:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Other Use Precautions:**

Facilities storing or utilizing this material or any chemical should be equipped with an eyewash and safety shower. Always wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Orange pearls</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Lemon scent</td>
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<tr>
<td>Odor Threshold</td>
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<td></td>
</tr>
<tr>
<td>pH</td>
<td>13-14</td>
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<tr>
<td>Flash Point and Method</td>
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<td></td>
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<tr>
<td>Flammable Limits</td>
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<tr>
<td>Autoignition Temperature</td>
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<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
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</tr>
<tr>
<td>Vapor Density</td>
<td>1.38 (Air = 1)</td>
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<tr>
<td>Boiling Point</td>
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<tr>
<td>Freezing Point</td>
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</tr>
<tr>
<td>Melting Point</td>
<td>318°C (604°F) lit.</td>
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</tr>
<tr>
<td>Pour Point</td>
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<tr>
<td>Thermal Decomposition</td>
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</tr>
<tr>
<td>Solubility in Water</td>
<td>1260 g/l at 20°C (68°)</td>
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<tr>
<td>Evaporation Rate</td>
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</tr>
<tr>
<td>Specific Gravity</td>
<td>2.13 g/cm2.13 g/cm^3</td>
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<tr>
<td>Viscosity</td>
<td>No data available</td>
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</tr>
<tr>
<td>Oxidizing Properties</td>
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<td></td>
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<tr>
<td>VOC Content</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY
Stable
Yes

Hazardous Polymerization
No

Stability
Stable under recommended storage conditions.

Polymerization
None

Conditions to Avoid
No data available

Possibility of Hazardous Reactions
No data available

Hazardous Decomposition Products
No data available

Incompatible Materials
Strong oxidizing agents, Strong acids, Organic materials

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

**Product Information**

**Eye Contact**
Causes serious eye irritation.

**Skin Contact**
Causes severe skin burns.

**Chronic**
No data available

**Subchronic**
No data available

**Carcinogenicity**

- **IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- **NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
- **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

**Repeated Dose Effects**
No data available

**Sensitization**
Will not occur.

**Neurotoxicity**
No data available

**Genetic Effects**
No data available

**Reproductive Effects**
No data available

**Target Organs**
No data available

**Teratogenic Effects**
No data available

**Mutagenicity**
No data available

**Synergistic Materials**
No data available

12. ECOLOGICAL INFORMATION

**General Comments**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

13. DISPOSAL CONSIDERATIONS
**Disposal Method**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Empty Container**

Do not re-use empty containers.

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### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Product packaged in packaging not over 1.0L (0.3 gallon) for DOT moves as Consumer Commodity, ORM-D.

**DOT**

- **UN/ID No**: UN1759
- **Proper Shipping Name**: Corrosive solids, N.O.S. (Contains: Sodium Hydroxide)
- **Hazard Class**: 8
- **Packing Group**: II

**IATA**

- **UN/ID No**: Please contact manufacturer for most current information.
- **Proper Shipping Name**: Please contact manufacturer for most current information.
- **Hazard Class**: 
- **Packing Group**: 

**IMDG**

- **UN/ID No**: Please contact manufacturer for most current information.
- **Proper Shipping Name**: Please contact manufacturer for most current information.
- **Hazard Class**: 
- **Packing Group**: 

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### 15. REGULATORY INFORMATION
United States

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: Acute Health Hazard

313 Reportable Ingredients: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CERCLA RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>&lt; 65</td>
<td>1,000</td>
</tr>
</tbody>
</table>

TCSA (Toxic Substance Control Act)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS</th>
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<tr>
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<td>1310-73-2</td>
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</tbody>
</table>

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Clean Water Act: Sodium Hydroxide

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td></td>
<td>C</td>
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</table>

Issue Date: 10-Jun-2013
Revision Date: 28-May-2015
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet