**MSDS - Material Safety Data Sheet**

**Product Name:** QDL-203

**MSDS No.:** 791

**I. Basic Information:**

- **Manufacturer:** U.N.X. INCORPORATED
- **Address:** 707 ARlington BLVD.
- **City, ST Zip:** GREENVILLE, NC 27858
- **Emergency Contact:** CHEMTL
- **Emergency Telephone Number:** 800-255-3924
- **Contact:** AMENDT; MANGIN; SPICER
- **Information Telephone Number:** 252-756-8616
- **Last Update:** 01/02/2002
- **Chemical State:** [ ] Liquid  [ ] Gas  [x] Solid
- **Chemical Type:** [ ] Pure  [x] Mixture

**II. Ingredients:**

[ ] Trade Secret

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>% Range</th>
<th>EHS</th>
<th>IARC</th>
<th>SARA</th>
<th>OSHA PEL</th>
<th>TLV Other Limits</th>
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<tr>
<td>25155300</td>
<td>Sodium dodecylbenzenesulfonate</td>
<td>0-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10mg/m3</td>
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<tr>
<td>6834920</td>
<td>Sodium metasilicate</td>
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<td></td>
<td></td>
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<td>2mg/m3</td>
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<td>Trade Secret PSRN  579480000-5005P</td>
<td>0-5</td>
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<tr>
<td>N/A</td>
<td>Trade Secret PSRN  579480000-5005P</td>
<td>40-50</td>
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<td>40-50</td>
<td></td>
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</tr>
</tbody>
</table>

**III. Hazardous Identification:**

- **Hazard Category:**
  - [ ] Acute
  - [ ] Chronic
  - [ ] Fire
  - [ ] Pressure
  - [ ] Reactive

**Hazardous Identification Information:**

**IV. First Aid Measures:**

**Route(s) of Entry:**

SKIN, EYES, INHALATION

**Health Hazards (Acute and Chronic):**

- INHALATION. CAN IRRITATE NOSE, THROAT, AND LUNGS.
- SKIN CONTACT, CAN IRRITATE OR CHAP SKIN
- INGESTION, WILL CAUSE GASTRIC DISTRESS, VOMITING AND DIARRHEA.

**Signs and Symptoms:**
**MSDS - Material Safety Data Sheet**

**Product Name:** QDL-203

**MSDS No:** 791

PRODUCT, EITHER DRY OR IN SOLUTION, IS AN IRRITANT TO TISSUE. CONTACT WITH EYES CAN CAUSE DAMAGE.

Medical Conditions Generally Aggravated by Exposure:

Emergency and First Aid Procedures:

FOR SKIN, FLUSH THOROUGHLY WITH WATER UNTIL "SLIPPERY" FEELING IS GONE.
FOR EYES, FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES. CONTACT PHYSICIAN.
IF INGESTED, DRINK LARGE VOLUMES OF WATER FOLLOWED BY MILD ACIDS SUCH AS 5% ACETIC ACID, ORANGE JUICE, OR ANY CITRUS JUICE. DO NOT INDUCE VOMITING. CALL PHYSICIAN.

Other Health Warnings:

**V. Fire Fighting Measures:**

Flash Point: N/A  
Lower Explosive Limit: N/A  
Upper Explosive Limit: N/A  
F.P. Method: N/A  
Fire Extinguishing Media: NON-FLAMMABLE/NON-COMBUSTIBLE

Special Fire Fighting Procedures:

USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS WHERE PRODUCT IS INVOLVED IN FIRE.

Unusual Fire and Explosion:

AVOID CONTACT WITH ACIDS AND LAUNDRY COMPOUNDS. STRONG DECOMPOSITION CAN RESULT.

**VI. Accidental Release Measures:**

Steps to be Taken in Case Material is Released or Spilled:

FOR A SMALL SPILL, IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN.
FOR A LARGE SPILL, COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURIATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES.
CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

**VII. Handling and Storage:**

Precautions to be Taken:

EMPTY DRUMS MUST BE TREATED AS HAZARDOUS BECAUSE OF RESIDUES. STORE IN A DRY PLACE. DO NOT STORE WITH STRONG ACIDS. KEEP CONTAINER CLOSED.

Other Precautions:

AVOID MOISTURE

**VIII. Exposure Controls/Personal Protection:**

Ventilation Requirements:

AVOID BREATHING DUST. IF EXPOSURE LIKELY, USE FILTER OR DUST TYPE RESPIRATOR.
MECHANICAL VENTILATION IS ACCEPTABLE.

Personal Protective Equipment:
**MSDS - Material Safety Data Sheet**

**Product Name:** QDL-203

**MSDS No.: 791**

RUBBER GLOVES SHOULD BE WORN. SAFETY GOGGLES SHOULD BE WORN. OTHER PROTECTIVE MEASURES: HAVE AN EYE BATH AND SAFETY SHOWER CLOSE BY. IF POTENTIAL FOR SKIN CONTACT, HAVE AN ACID HAND WASH NEAR BY (i.e.: VINEGAR SOLUTION). WORK HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES, SHOWER OR BATHE AS SOON AS POSSIBLE.

**IX. Physical and Chemical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting Point</td>
<td>850°C</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1):</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.):</td>
<td>N/A</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1):</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1):</td>
<td>N/A</td>
</tr>
<tr>
<td>Solubility In Water:</td>
<td>EXCELLENT</td>
</tr>
<tr>
<td>Appearance and Odor:</td>
<td>WHITE GRANULAR POWDER, LEMON FRAGRANCE</td>
</tr>
<tr>
<td>Other Information:</td>
<td>THIS PRODUCT CONTAINS NO PHOSPHATES LAUNDRY DETERGENT</td>
</tr>
</tbody>
</table>

**X. Stability and Reactivity:**

**Stability:**

VERY STABLE

**Incompatibility (Materials to Avoid):**

EXCESS MOISTURE CAN CAUSE EXOTHERMIC REACTIONS. AVOID CONTACT WITH ACIDS AND LAUNDRY COMPOUNDS.

**Decomposition/By Products:**

AVOID CONTACT WITH ALUMINUM, ZINC, MAGNESIUM, COPPER. EXPLOSIVE HYDROGEN GAS CAN BE RELEASED.

**XII. Toxicological Information:**

CONTACT U.N.X. INCORPORATED

**XII. Ecological Information:**

CONTACT U.N.X. INCORPORATED

**XIII. Disposal Considerations:**

FOR A SMALL SPILL: IMMEDIATELY HOSE DOWN WITH COLD WATER AND DISPOSE TO DRAIN. FOR A LARGE SPILL: COLLECT AND ADD SLOWLY TO A LARGE VOLUME OF WATER WITH CONSTANT STIRRING. THEN SLOWLY NEUTRALIZE TO A pH OF 7 WITH MURATIC OR PHOSPHORIC ACID SOLUTIONS. DISPOSE OF DOWN DRAIN AFTER APPROVAL OF APPROPRIATE AUTHORITIES. CLEAN AND NEUTRALIZE ALL AREAS OF CONTACT.

**XIV. Transport Information:**

NOT DOT REGULATED
MSDS - Material Safety Data Sheet

Product Name: QDL-203

MSDS No.: 791

XV. Regulatory Information:

UNLESS OTHERWISE NOTED, NO COMPONENTS ARE SARA TITLE 3, SECTION 313.40 CFR LISTED MATERIALS. THE INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. THIS PRODUCT IS NOT MADE WITH VOC'S THAT COULD CAUSE DAMAGE TO THE OZONE LAYER.

XVI. Other Information: