

**MSDS - Material Safety Data Sheet****Product Name: QDL-304****MSDS No.: 812****I. Basic Information:****Manufacturer:** U.N.X. INCORPORATED**Address:** 707 ARLINGTON BLVD.**City, ST Zip:** GREENVILLE, NC 27858**Emergency Contact:** CHEMTEL**Emergency Telephone Number:** 800-255-3924**Contact:** AMENDT; MANGIN; SPICER**Information Telephone Number:** 252-756-8616**Last Update:** 01/29/2002**Chemical State:** ☐ Liquid ☐ Gas ☒ Solid**Chemical Type:** ☐ Pure ☒ Mixture

|   |                  |
|---|------------------|
| 2 | Health           |
| 0 | Flammability     |
| 1 | Reactivity       |
| F | Pers. Protection |

**II. Ingredients:**☐ Trade Secret

| CAS No.  | Chemical Name                       | % Range | EHS | IARC  | SARA | OSHA     | ACGIH    | Other Limits |
|----------|-------------------------------------|---------|-----|-------|------|----------|----------|--------------|
|          |                                     |         | NTP | SUB Z | 313  | PEL      | TLV      |              |
| 16893859 | Sodium silicofluoride               | 70-80   |     |       |      | 2.5mg/m3 | 2.5mg/m3 |              |
| N/A      | Trade Secret PSRN<br>57948000-5010P | 15-25   |     |       |      |          |          |              |

**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, MAY CAUSE IRRITATION OF MUCUS MEMBRANES AND RESPIRATORY TRACT.

SKIN, MAY CAUSE IRRITATION.

INGESTION, MAY BE FATAL IF LARGE AMOUNTS ARE INGESTED. MAY CAUSE ABDOMINAL PAIN, DIARRHEA, VOMITING, EXCESS SALIVATION, AND PAINFUL SPASMS OF THE LIMBS.

EYES, MAY CAUSE IRRITATION.

**Signs and Symptoms:**

EXPOSURE TO THE EYE: IRRITANT, CORNEA DAMAGE.

INHALATION: PULMONARY IRRITATION AND UNDER EXTREME CONDITIONS CAN CAUSE DEATH.

OVER EXPOSURE: EYE DAMAGE, LUNG DAMAGE.

**Medical Conditions Generally Aggravated by Exposure:**

***MSDS - Material Safety Data Sheet******Product Name: QDL-304******MSDS No.: 812*****Emergency and First Aid Procedures:**

EYES: IMMEDIATELY FLUSH WITH WARM WATER FOR AT LEAST 15 MINUTES, CONTACT PHYSICIAN.  
SKIN: WASH OFF WITH LARGE AMOUNTS OF WATER AND SEEK MEDICAL ATTENTION IF IRRITATION OR CHEMICAL BURNS DEVELOP.  
INHALATION: REMOVE TO FRESH AIR, CALL PHYSICIAN.  
INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY! GIVE LARGE VOLUMES OF WATER. DO NOT INDUCE VOMITING UNLESS ADVISED BY LICENSED MEDICAL PERSONNEL. ADVISE MEDICAL PERSONNEL OF POSSIBLE FLUORIDE EXPOSURE.

**Other Health Warnings:*****V. Fire Fighting Measures:***

Flash Point: -                                      Lower Explosive Limit: -                                      Upper Explosive Limit: -

F.P. Method: -

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:**

ISOLATE RUN OFF FROM BLEACHES AND ALKALI.  
AVOID WHEN HEATED TO HIGH TEMPERATURES, PRODUCES HIGHLY TOXIC FUMES.

***VI. Accidental Release Measures:*****Steps to be Taken in Case Material is Released or Spilled:**

FOR SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, SWEEP MATERIAL INTO NEW CONTAINERS. DO NOT PUT CONTAMINATED MATERIAL WITH CLEAN MATERIAL. ASK LOCAL AUTHORITIES ABOUT WASTE DISPOSAL.

***VII. Handling and Storage:*****Precautions to be Taken:**

AVOID EXCESSIVE HEAT AND MOISTURE. AVOID CONTACT WITH BLEACHES AND ORGANIC COMBUSTIBLE AGENTS. STORE IN A COOL, DRY, WELL VENTILATED AREA. DO NOT STORE NEAR HAZARDOUS MATERIALS.

**Other Precautions:**

DO NOT MIX WITH DRY BLEACH IN WASHWHEEL SUPPLY DISPENSER.

***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:**

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, WEAR PROTECTIVE GLOVES AND HAVE A HAND WASH AREA NEAR BY (ie. SOAP SOLUTION.).  
WORK/HYGIENIC PRACTICES: WASH HANDS, CHANGE OUT OF CLOTHES AS SOON AS POSSIBLE. WASH CLOTHES. SHOWER OR BATHE AS SOON AS POSSIBLE.

**MSDS - Material Safety Data Sheet****Product Name: QDL-304****MSDS No.: 812****IX. Physical and Chemical Properties:****Boiling Point:** 500°C**Melting Point:** 500°C**Evaporation Rate (Butyl Acetate = 1):** N/A**Vapor Pressure (mm Hg.):** N/A**Specific Gravity (H2O = 1):****Vapor Density (AIR = 1):** N/A**Solubility In Water:** GOOD AT SUGGESTED CONCENTRATIONS**Appearance and Odor:** WHITE POWDER, NO ODOR**Other Information:** RUST CONTROL SOUR  
THIS PRODUCT CONTAINS NO PHOSPHATES**X. Stability and Reactivity:****Stability:**

VERY STABLE

**Incompatibility (Materials to Avoid):**

OXIDIZABLE OR COMBUSTIBLE ORGANIC MATERIALS, STRONG OXIDIZERS, BLEACHES, ACIDS, ALKALI.

**Decomposition/By Products:**

HYDROGEN FLUORIDE, AND SODIUM FLUORIDE @ 260°F SILICON TETRAFLUORIDE

**Hazardous Polymerization:**

HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

**XI. Toxicological Information:**

CONTACT U.N.X. INCORPORATED

**XII. Ecological Information:**

CONTACT U.N.X. INCORPORATED

**XIII. Disposal Considerations:**

FOR SMALL SPILLS, MATERIAL SHOULD BE DILUTED WITH WATER AND DISPOSED TO SEWER. FOR LARGE SPILLS, SWEEP MATERIAL INTO NEW CONTAINERS. DO NOT PUT CONTAMINATED MATERIAL WITH CLEAN MATERIAL. ASK LOCAL AUTHORITIES ABOUT WASTE DISPOSAL.

**XIV. Transport Information:**

NOT DOT REGULATED

LABEL: POISON CONTAINS FLUORINE COMPOUNDS!

**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:**