

MATERIAL SAFETY DATA SHEET

Section 1

Drew Scientific, Inc.
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Chemical Name and Synonyms: Quaternary ammonium salt(s)
Trade Name and Synonyms: Cellyse XI³ and Cellyse 11LV
Cat. No.: **R610311** (Cellyse XI³ and Cellyse 11LV - 18 mL) and **R631011** (Cellyse XI³- 60 mL)
Chemical Family: Quaternary ammonium salt(s)
Formula: RNX

Section 2 - Hazardous Ingredients

Hazardous Mixtures of Liquids, Solids or Gases % TVL
Quaternary ammonium salt(s) 0.1 - 10.0%
(specific organic quaternary ammonium salt(s) is proprietary information)
Potassium Cyanide 0.1 - 1.0%

Section 3 - Physical Data

<u>Boiling Point (F):</u>	N.A.
<u>Specific Gravity (H₂O=1):</u>	N.A.
<u>Vapor Pressure (mm Hg):</u>	N.A.
<u>Percent Volatile by Volume:</u>	N.A.
<u>Vapor Density (air=1):</u>	N.A.
<u>Evaporation Rate:</u>	N.A.
<u>Solubility in Water:</u>	Soluble
<u>Appearance and Odor:</u>	Clear to pale straw liquid with pungent, sharp odor

Section 4 - Fire and Explosion Hazard Data

Flash Point: Nonflammable
Extinguishing Media: Dry chemical, carbon dioxide, water spray or foam.
Special Fire Fighting Procedures: Cool fire-exposed containers with water spray.
Unusual Fire and Explosion Hazards: Keep away from ignition sources.

Section 5 - Health Hazard Data

Threshold Limit Value: N.A.
Effects of Overexposure: May be fatal if swallowed, causes eye burns and may irritate skin.
Emergency and First Aid Procedures: If swallowed, give copious amounts of water. Contact a physician.

Section 6 - Reactivity Data

Stability: Stable

Conditions to Avoid: N.A.

Incompatibility: Oxidizing agents and acids.

Hazardous Decomposition Products: hydrogen cyanide

Hazardous Polymerization: Will not occur

Conditions to avoid: N.A.

Section 7 - Spill or Leak Procedures

Steps to be taken in case material is released or spilled:

Use absorbent material. Wipe up spill using gloves.

Waste Disposal Method: Dispose of according to all local, state, and federal regulations.

Section 8 - Special Protection Information

Respiratory Protection: N.A.

Ventilation:

Local Exhaust: N.A.

Mechanical: Ventilated area

Protective Gloves: Rubber

Eye Protection: Safety glasses

Other Protective Equipment: Lab Coat

Section 9 - Special Precautions

Precautions to be taken in handling and storing: Keep container tightly closed. Store away from acids.

Other Precautions: Wash thoroughly after handling. Avoid skin and eye splashing.

Section 10 - Transport Information

Transport Regulations: Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG or European ADR.