

**I. Product Identification:**

**Product Name-** Water Soluble Ink (RED)

**Product Use-** Used for marking lenses.

**LAST UPDATE 03/03/2004**

**Identification Number-** 18210

**NFPA Hazard Ratings:** Health- 1, Fire- 0, Reac.- 0

**II. Hazardous Components:**

<b>Hazardous Ingredients</b>	<b>CAS or UN number</b>	<b>TLV (mg/m<sup>3</sup>)</b>	<b>LD50/LC50</b>
None	-	-	-

**III. Physical Data:**

**Appearance and Odor-** Red liquid with mild odor

**Boiling Pt. (C<sup>o</sup>)-** 100<sup>o</sup>C (212<sup>o</sup>F)

**Density (g/ml)-** For liquids and solids, density = specific gravity

**Evaporation Rt. (Butyl Acetate = 1)-** As water

**Melting Pt. (C<sup>o</sup>)-** 0<sup>o</sup>C (32<sup>o</sup>F)

**Odor Threshold-** Not available

**Percent Volatile (v/v)-** 60-80%

**Physical State-** Liquid

**pH-** Not available

**Solubility in Water-** 70-95%

**Specific Gravity (Water = 1)-** 1.1

**Vapor Density (Air=1)-** As water

**Vapor Press. (mmHg)-** <10mm

**IV. Fire and Explosion Data:**

**Flammability (Flashpoint below 37.8<sup>o</sup> C)-** No

**Flammable Limits-** None

**Flash Pt. (C<sup>o</sup>)-** None

**Auto ignition Temp (C<sup>o</sup>)-** None

**Extinguishing Media:** Water Spray/Fog

**Explosion Data-** Not available

**Special Fire Fighting Procedures-** Not available

**V. Health Hazard Data:**

**Primary Routes of entry:** Skin, Inhalation

**Eye-** May cause irritation.

**Skin-** May cause irritation.

**Inhalation-** May cause irritation.

**Ingestion-** May cause irritation.

**VI. First Aid Data:**

**Eyes-** Flush eyes for at least 15 minutes. Consult a physician if irritation persists

**Skin-** Wash off with warm soap and water. Consult a physician if irritation persists.

**Inhalation-** Remove to fresh air if effects occur. Consult a physician if irritation persists.

**Ingestion-** If person is conscious induce vomiting. Contact a physician.

**VII. Corrosivity and Reactivity Data:**

**Stability-** Stable

**Conditions to Avoid-** None known.

**Decomposition Products-** May produces by-products of carbon dioxide and carbon monoxide.

**VIII. Chemical Handling:**

**Polymerization-** No

**Handling and Storage-** Exercise reasonable care and caution. Keep and store in a cool dry area. Keep plastic container away from sparks or flame.

**Leaks or Spills-** Use dry absorbent material to contain spill. Dispose of material in an approved container.

**Waste Disposal Method-** Reprocess or burn in an approved incinerator in accordance with all federal, state and local requirements.

- IX. Personal Protection Information:**  
**Eye-** Use goggles for splash protection.  
**Respiratory-** None normally required.  
**Gloves-** Use chemically resistant if person is sensitive to material.  
**Footwear-** None normally required.  
**Ventilation-** Local  
**Work, Hygienic, Maintenance Practices and Special Clothing:** Exercise reasonable care and caution. Wash before eating, smoking, or going to the bathroom.
- X. Special Precautions or Other Comments:** Keep from freezing, if received in frozen condition place in warm water for 15 minutes or until defrosted.
- XI. Toxicological Data:**  
**Carcinogenicity-** No carcinogens known to be contained in this product.  
**Teratogenicity-** Not available  
**Mutagenicity-** Not available  
**Reproductive Effects-** Not available  
**TLV (mg/m<sup>3</sup>)-** Not available  
**LD50-** Not available  
**LC50-** Not available
- XII. Regulatory Information:**  
**Sara Hazard Category-** None  
**Canadian Right To Know-** Not a "controlled product" under WHMIS.