MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION ---------------------------------------
Code, Trade Name: PH1605, Phenolphthalein, 0.5%
Chemical Name: Isopropanol & Phenolphthalein in Water
Chemical Family: Aliphatic Alcohol & Triphenylmethane Dye

II. HAZARDOUS INGREDIENTS -------------------------------------
* Iso-propyl Alcohol, CAS #67-63-0 50% V/V
  TLV/PEL: 400 ppm(TWA)  TXDS: orl-hmn LDLo: 3570 mg/kg
  iihl-rat LC50: 16000 ppm/8H

  Phenolphthalein, CAS #77-09-8 0.5% W/V
  TLV/PEL: Not Established  TXDS: irp-rat LDLo: 500 mg/kg

Carcinogenicity: None of the above listed (IARC).

III. HEALTH HAZARD DATA ---------------------------------------
Ingestion causes nausea, intoxication, and CNS depression.
High vapor levels cause eye and respiratory system irritation.
Contact may injure eyes and cause skin irritation.
Routes of Entry: Ingestion, Inhalation, Skin Contact.

First Aid:
  Eyes: Flush with water for at least 15 min; get immediate medical assistance.
  Skin: Wash with soap and water.
  Inhalation: Move to fresh air & give artificial respiration if breathing has stopped.
  Ingestion: Induce vomiting if conscious.

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVER EXPOSURE!

IV. PHYSICAL DATA --------------------------------------------
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density: Heavier than air
Water Solubility: Miscible
Appearance & Odor: Clear, colorless liquid with alcoholic odor.

V. FIRE & EXPLOSION HAZARD DATA ------------------------------
Flash Point: 53 deg F (tcc) for 100% IPA
Extinguishing Media: dry chemical, CO2, “alcohol” foam.
Special Procedures: Wear self contained breathing apparatus.
Unusual Fire & Explosion Hazards: Fire & explosion hazard
Vapor heavier than air and may travel to an ignition source.

VI. REACTIVITY DATA --------------------------------------------
Conditions To Avoid: heat, sparks, flame, acids, halogens, and strong oxidizers.
Hazardous Combustion & Decomposition Products: COx

VII. SPECIAL PROTECTION ---------------------------------------
Provide adequate general and local exhaust ventilation.
Protect eyes and skin with safety goggles and gloves.
Do not get in eyes, on skin or clothing.
Wear self contained breathing apparatus in high vapor areas.
Do not breathe vapors.

VIII. HANDLING AND STORAGE PRECAUTIONS -----------------------
Keep container tightly closed.
Store in cool, dry, well ventilated area.
Keep away from ignition source.
Wash thoroughly after handling.
Empty containers may be hazardous due to retained residue.

IX. ENVIRONMENTAL PROTECTION -------------------------------
Spill Response: Eliminate ignition source, cover with sand or vermiculite and scoop up and containerize for proper disposal.

Waste Disposal: Comply with all local, state and federal regulations.

The above information is to be used only as a guide, and does not profess to be all inclusive. Cascade Water Services shall not be held liable for any damage resulting from the handling or contact with the above product.

N/A = Not Available
Issue Date: 12/03
Revised:

DOT - Flammable Liquid, N.O.S., UN1993 (II) (contains Isopropanol)