

## **Technical Safety Data Sheet**

---

**Equipment Name:** Solvent Distillation Unit

**Manufacturer:** S.R.S. Environment, Inc.

**Address**

1225-Y, J.A. Bombardier  
St. Nicolas, Quebec Canada G7A 2P4

**Telephone Number:** (418) 831-8808

**Fax Number:** (418) 831-5055

**Date Prepared:** February 13, 1998



**Equipment Description:** This equipment uses a heating element and a condenser to distill solvent thereby removing impurities so that the solvent can be reused. The unit is mounted on a mobile cart, and has a 3.5 gallon capacity. Equipment dimensions are 38 1/2" high x 32" long x 20" wide.

### **Precautions for Safe Handling and Use:**

#### **Operation**

Do not stand directly over recycler during operation or when opening heating chamber.

If the over temperature light comes on, shut the system down immediately and locate the cause before continuing.

## DRAFT

Do not open the chamber door while the equipment is in operation.

After the cycle light goes off, wait a minimum of 30 minutes before opening chamber lid.

Wear personal protective equipment during equipment operation. See Control Measures section for description.

There should be a fire extinguisher accessible in the operating area.

Operate the equipment only in a well ventilated area isolated from any spark-producing equipment.

Check the MSDS for the solvent being recycled for boiling point. The equipment should be operated at a temperature of 50 degrees Fahrenheit over the boiling point.

Do not eat, drink or smoke in the operating area.

Operate equipment in accordance with manufacturer's instructions (Environment, Inc. Solvent Recovery Systems Operation and Maintenance Manual Last Revised April 97).

### **Maintenance**

Disconnect power before accessing the inside of electrical control enclosure.

### **Installation**

Install/ operate the equipment only in a well ventilated area isolated from any spark producing equipment.

The equipment should be installed with a secondary containment to capture any solvent spills.

## **Health Hazard Data**

**Chemical Hazard:** The heating chamber will emit solvent vapors, creating an inhalation hazard.

**Physical Hazard:** The chamber door can be prematurely opened, causing the operator to be exposed to hot toxic vapors.

**Biological Hazard:** None observed

**Ergonomic Hazard:** None observed

**Environmental Hazard:** The distillation unit does not have a built-in secondary containment, and should be operated over a collection pan.

## DRAFT

### Control Measures

**Personal Protective Equipment Requirements:** A respirator with organic vapor cartridge, chemical goggles, and chemical-resistant gloves and apron should be worn by the operator.

**Ventilation Requirements:** Provide local exhaust ventilation.

**Posting Requirements:** The operating area should be posted “Flammable” and “No Eating or Drinking in Operating Area”.