

## TECHNICAL BULLETIN

### GREENSOLV 273D

### INDUSTRIAL PAINT STRIPPER (GEL)

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#### 1) PRODUCT DESCRIPTION

**GREENSOLV 273D** is an extremely effective catalyzed paint remover which works on a wider variety of coating systems such as epoxies, polyurethanes, alkyds, glues, membranes and enamels. It is also very universal and can be used on almost any surface (all metals, wood & concrete). In gel, **GREENSOLV 273D** can be either applied with a spray or a brush on horizontal or vertical surfaces. It is biodegradable, has a very low toxicity, is non carcinogenic and non mutagenic. It was developed to replace highly toxic and ozone depleting chemicals (i.e. dichloromethane).

Typical stripping applications:

- Metal structures;
- Concrete floors;
- Vehicles (trains, buses);
- Ships;
- Membrane removal;
- Industrial glue removal;
- Wood substrates.



*Note: Greensolv 273D is often covered with a thin plastic sheet to reduce evaporation and maximize the efficiency.*

#### 2) BENEFITS

**GREENSOLV 273D** is a highly effective paint remover based on a mixture of polar and non-polar solvents. This synergistic composition exhibits excellent stripping capabilities without using any harmful CFC.

Its main benefits are:

- Non-corrosive: Safe for all metals.
- Biodegradable;
- Long shelf life;
- Low odor for indoor applications;
- Easily applied with a brush or an airless pump.
- Coverage of approximately 2,2 to 2,9 m<sup>2</sup>/kg or 85 to 110 ft<sup>2</sup>/USG.
- Removes alkyds, acrylics, urethanes, epoxies, polyurethanes, coal tar, and enamels.

### 3) PHYSICAL PROPERTIES

Physical appearance .....	Light Yellow, transparent gel
Odor.....	Low
Biodegradable.....	Yes
Flash Point ( Closed/Open Cup ).....	38° C/60° C ( 100.4° F/140° F )
Specific Gravity ( Water = 1 ).....	0.90 – 1.00
pH ( 1% in water ) .....	6- 8
Viscosity .....	6 000 - 8 000 cPs
Solubility in water.....	Partially soluble
Chlorinated hydrocarbon, phenol, chromate, peroxide.....	None

### 4) PROCEDURE

(Detailed procedures are available for specific applications upon request. )

#### **Before application:**

- Clean any excessive grim from the surface to be stripped.

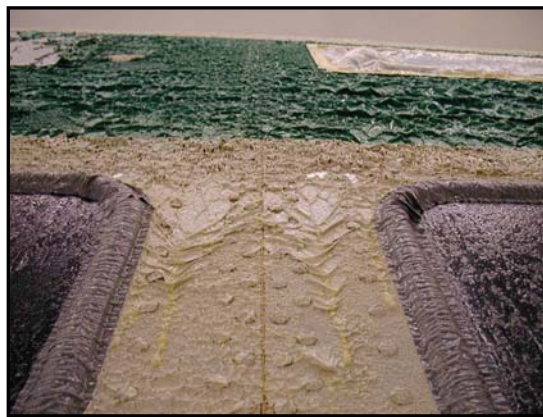
#### **Application:**

- Apply with a brush or an airless pump, a layer of approximately 15 to 20 mils thick of **GREENSOLV 273D** on the surface to be stripped. Coverage: 2,2 to 2,9 m<sup>2</sup>/kg or 85 to 110 ft<sup>2</sup>/USG.
- **Greensolv 273D is often covered with a thin plastic sheet to reduce evaporation and maximize the efficiency.**
- Let it stand for one (1) to eight (8) hours or until the paint has risen. Most coatings will be stripped in less than one (1) hour. When dwell time exceeds two (2) hours, cover **Greensolv 273D** with a thin plastic sheet. An overnight process is often recommended in this case;
- When the paint has bubbled all over, remove it with a scraper, a brush, a rag, a high pressure air hose, or a vacuum.
- Apply a second layer of **GREENSOLV 273D** if necessary;
- Collect raised coating and **GREENSOLV 273D** and dispose of it according to governmental regulations, try to avoid using water at this step.

#### **Rinsing:**

##### Before repainting:

- **On metals**, make sure that the surface is free of contaminants. If the paint has difficulty to bubble, splash with hot water (low pressure). Use a water jet (1000 – 4000 psi) or mechanical abrasion to remove remaining paint if necessary. Clean the surface with a solvent or a water-based alkaline cleaner.
- **On concrete**, make sure that the surface is free of contaminants before repainting. Use mechanical abrasion to remove remaining paint. Clean the surface with a water-based alkaline cleaner.



### **Precautions:**

- Avoid contact with rubber and plastic surfaces as they may degrade. Do a spot check before putting in contact with those substrates ( ex : brake lines and electrical wires ). In case of contact, dry as soon as possible.
- Avoid contact with strong oxidants ( ex: caustic, strong acid, peroxide, etc. ).
- Product is slippery on the floor.

## **5) PERSONAL PROTECTION**

### **Engineering Controls :**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### **When sprayed :**

- Wear appropriate respirator when ventilation is inadequate. (Approved/certified respirator with organic vapor cartridges)
- Face shield.
- Chemical resistant protective suit.
- Chemical resistant gloves.
- Boots.

### **When brushed:**

- Wear appropriate respirator when ventilation is inadequate. (Approved/certified respirator with organic vapor cartridges)
- Safety glasses or splash goggles.
- Synthetic apron or long sleeves
- Chemical resistant gloves.

**Try to avoid skin contact by wearing adequate equipment.**

## **6) STORAGE**

Store **GREENSOLV 273D** at a controlled temperature of 0° C to 30° C ( 50° F to 104° F ). Keep away from any source of sparks or flames. Store in a sealed container. Keep container dry. The shelf life of the product has been determined to be three ( 3 ) years.

## **7) PACKAGING**

**GREENSOLV 273D** is available in :

- 4 x 1 Gallon (4 x 3.6 kg – 1 U.S. Gal.)
- Pails ( 18 kg – 5 U.S. Gal. ).
- Drums ( 180 kg – 45 U.S. Gal. ).

**March 2002 ( Last revision : February, 2004 ).**

