

TECHNICAL BULLETIN

GREENSOLV 273C (Patent pending)

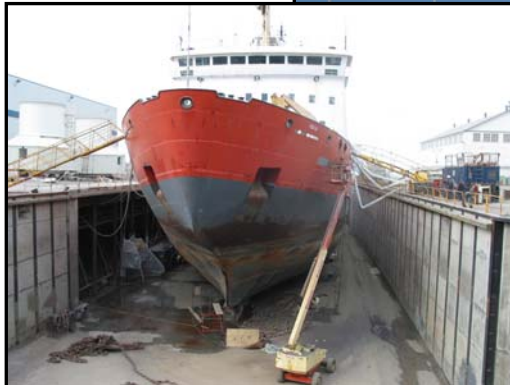
HEAVY DUTY INDUSTRIAL PAINT STRIPPER (GEL)

1) PRODUCT DESCRIPTION

GREENSOLV 273C 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 & concrete). **GREENSOLV 273C** is a gel that contains wax to reduce evaporation rate. After being mixed for uniformity it 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;
- Military applications (CARC remover);
- Vehicles (trains, buses);
- Ships.



2) BENEFITS

GREENSOLV 273C 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;
- Contains wax for outdoor applications (very low evaporation rate);
- Easily applied with a brush or an airless pump;
- Coverage of approximately 2,2 to 2,9 m²/kg or 85 to 110 ft²/USG.

3) PHYSICAL PROPERTIES

Physical appearance	White/ orange, gel (with wax)
Odor.....	Low (ammonia)
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)	9.5- 10.5
Viscosity	> 60 000 cPs
Solubility in water.....	Partially soluble
Dichloromethane, phenol, chromate, peroxyde.....	None

4) PROCEDURE

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

Before application :

- Mix Greensolv 273C in order to obtain a uniform gel.
- 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 (300 microns) thick of **GREENSOLV 273C** on the surface to be stripped. Coverage: 2,2 to 2,9 m²/kg or 85 to 110 ft²/USG.
- Let it stand for one (1) to four (4) hours or until the paint has risen.
- 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 273C** if necessary;
- Collect raised coating and **GREENSOLV 273C** 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 (i.e.: 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 safety equipment.

6) STORAGE

Store **GREENSOLV 273C** 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 273C 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).