



GREENSOLV inc.

TECHNICAL BULLETIN

GREENSOLV 273C (Patented)

HEAVY DUTY INDUSTRIAL PAINT STRIPPER (GEL)

1) PRODUCT DESCRIPTION

GREENSOLV 273C is a highly effective catalyzed paint remover which works on a wide variety of coating systems such as epoxies, polyurethanes, alkyds, adhesives, 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 brushed or sprayed on the surface to be stripped (either horizontal or vertical). It is biodegradable and has a low toxicity. It was developed to replace highly toxic and ozone depleting chemicals (i.e. dichloromethane).

Typical stripping applications:

- Metal structures;
- Industrial Chimneys;
- Buildings (residential, commercial & industrial);
- Coatings containing *lead or asbestos*;
- Concrete floors;
- Military vehicles (CARC remover);
(see section 7 for NSN numbers)
- Vehicles (trains, buses, ships);





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2) BENEFITS

GREENSOLV 273C is a highly effective paint remover based on a mixture of low evaporation rate solvents. This synergistic composition exhibits excellent stripping capabilities without using any harmful CFC.

Its main benefits are:

- Highly effective, strips most coatings rapidly;
- 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.....Ammonia
Biodegradable.....Yes
Flash Point (Closed/Open Cup) 38° C/60° C (100.4° F/140° F)
Specific Gravity (Water = 1)0.80 – 1.00
pH (1% in water) 9.5- 10.5
Viscosity> 40 000 cPs
Solubility in water.....Partially soluble

4) DIRECTIONS FOR USE

Before application:

- Mix Greensolv 273C in order to obtain a uniform gel.
- Clean any excessive grim from the surface to be stripped.
- Make sure the surface is dry.

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 work for a period of 12 to 24 hours or until the paint is stripped.
- When the paint has bubbled (or has dissolved), remove it with a scraper, a brush or a high pressure water (1000 to 5000 psi). *NOTE: for some applications, water can't be used; ex: when removing lead based paint.*
- Apply a second layer of **GREENSOLV 273C** if necessary;
*NOTE: it is important that the surface be free of water before applying a fresh layer of **GREENSOLV 273C**.*



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Preparing the surface:

Before repainting:

- **Make sure that the surface is free of contaminants before repainting. Use mechanical abrasion to remove remaining paint if required and/ or clean the surface with a water-based alkaline cleaner (ex: **G-MAX 328**).**

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.
- 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.



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7) PACKAGING

GREENSOLV 273C is available in the following containers:

- 2 x 1 Gallon (2 x 3.78 L – 1 U.S. Gal.)
- Pails (18.9 L – 5 U.S. Gal.).

NSN : N8010-20-000-3813

Version: 4
Updated: November 2013