

# GREEN MONK CLEANING SOLUTIONS



## **GMRP - 100<sup>TM</sup> , RUST & PAINT REMOVER**

(FOR INDUSTRIAL & COMMERCIAL USE ONLY)

### Technical Data Sheet

Green Monk Cleaning Solutions  
Assero Industrial Coatings  
Revision: October 3, 2018 (v1)



### 1. - PRODUCT DESCRIPTION & USE

**GMRP-100™, Rust & Paint Remover** is a **Rust and Paint Products eco-Remover**, cleaning, and restorative agent that can be used on most porous and non-porous surfaces and substrates. **GMRP-100™**, as a water miscible solution, is extremely effective in the removal or, more accurately, lifting of rust and light to heavy coatings of paint without damaging the surface or substrate being treated. **GMRP-100™** is available in **liquid (dip/foam/spray-on) or gel** formats. **NOTE:** **GMRP-100™** may cause damage to gel coats. Remove surface contaminants and environmental pollutants with a pressure washer, cloth, brush, or sponge. This should be followed by rinsing with clean tap water. (Please review Removal details in **Section 5.**)

### 2. - FEATURES & BENEFITS

**Safe:** Defined by NTP, IARC, or OSHA, it is considered safe. It is extremely safe to use around plants and vegetation. No special ventilation is required during its use. Formulated with the total absence of toxic chemicals including (but not limited to) Methylene chloride, caustics, NMP (N-METHYLPYRROLIDONE) and will not burn skin.

**Effective:** Fast or slow acting, it imparts no damage to soft and sensitive metals.

**Environmentally Responsible:** Water-based, biodegradable, contains no VOCs, TAPs or HAPs.

**Simple:** Easy to apply, and easy to remove.

**GMRP-100™** has a shelf life of two (2) years.

### 3. - LIMITATIONS

For the best removal results, surface temperature should range from a minimum of 15°C / 60°F to a maximum of 35°C / 95°F. **GMRP-100™** can be applied at temperatures as low as 3°C / 37°F. However, efficiency and effectiveness will be reduced and dwell times will be increased.

### 4. - TESTING

**Always prepare a small test area** on each type of surface and coating prior to full application of **GMRP-100™**. Testing is the most effective method to ensure suitability of the product in order to achieve successful removal results for a project. This will also assist in determining approximate film thickness and an appropriate dwell time.

**Preparation:** Cover and protect areas that you do not want **GMRP-100™** to come into contact with. Polyethylene plastic sheets and masking tape can create an effective protective barrier during the removal process.

To be on the safe side, be sure to also protect nearby plants and vegetation (especially edibles) during a removal process.

### 5. - APPLICATION & SPREAD RATE

**Directions:** Since there are numerous factors that can have an effect on the scale, performance, and scope of the removal, remediation and restorative process, **GMRP-100™** should only be applied by a technician trained in its proper use and application. Please contact an **Assero representative** before proceeding with an application of **GMRP-100™**.

**GMRP-100™** can be applied quickly and efficiently over large surface areas due to its spray-on (or foam-on) capabilities which allow it to cover challenging and hard to reach areas in a project. **GMRP-100™** is designed to stay "wet" for extended periods of time. Depending on the condition of the surface to be treated, removal times for **GMRP-100™** can be as low as one (1) hour, or may take up to 12 hours for more challenging projects. Soak/dwell time will depend on the severity of rust and layers of paint to be removed.

**For Surface Treatment:** Make certain the surface to be treated is dry and free of loose rust and paint.

Use a brush, roller or airless sprayer to apply a WFT (wet film thickness) coat of approximately 1/16" - 1/8" (1.5 mm - 3.17 mm) of **GMRP-100™** according to the age, number of paint layers, and the type of coating being removed (refer to testing results).

**Airless** spraying is the most cost effective method to apply **GMRP-100™**. Always start an application at the **lowest pressure** and slowly build up pressure until an **appropriate** fan pattern has been achieved.

**GMRP-100™** can be applied using an HD airless spray unit with the ability to support a 0.021 spray tip. **Be sure** to remove both the gun and manifold filters from the sprayer system before attempting to spray **GMRP-100™** as they may clog during the application process. Spray to the previously tested thickness. Based on your previous test results, more than one coat of **GMRP-100™** may be needed.





# GMRP - 100™

## RUST & PAINT REMOVER

ECO-INNOVATIVE INDUSTRIAL CLEANING SOLUTIONS FOR A SUSTAINABLE FUTURE!

**Apply a light coat first** and allow a dwell/soak time between 30 - 45 minutes. After this dwell time has passed, apply a second coat to the desired film thickness. **Note:** a second coat should not be needed for most applications.

**GMRP-100™** (Gel) has a coverage of 80 - 100 ft<sup>2</sup> (7 m<sup>2</sup> - 9 m<sup>2</sup>) per gallon. Results may vary depending on severity of the rust and layer(s) of paint coating(s) to be removed.

**Removal:** Removal of paint and rust can be accomplished with the use of any combination of a scraper, tapping knife, and/or a stiff nylon brush. Close attention should be paid to crevices, grooves and cracks.

Surfaces should be rinsed thoroughly with generous amounts of clean tap water using a pressure washer that is applied at an appropriate pressure setting. Another option is to manually rinse the surface with the use of a spray bottle or a pail of fresh clean tap water, and then physically wipe dry with a clean cloth or sponge. Take care to occasionally refresh the water in the pail with clean water.

**Clean Up:** Collect the **GMRP-100™** solution and the lifted rust/paint residue in plastic bags and dispose of in accordance with local and federal government regulations. **DO NOT** store the collection of removed paint and rust waste in a metal container. All equipment, especially the paint spray equipment, is to be cleaned immediately after the application process is completed.

Clean the airless sprayer equipment by running clean tap water, or soapy water followed with fresh clean water, through the equipment. Air can be run through the equipment to speed the drying process. Allow the treated parts to dry completely before repainting the surface and/or before the application of other coatings.

### 6. - MAINTENANCE

No additional service is needed once the removal project is complete.

### 7. - HEALTH & SAFETY REQUIREMENTS

As with any chemical, avoid breathing in fumes, contact with eyes, and ingestion. **PLEASE** refer to the **TDS** and **SDS** for additional information on application procedures and safe handling protocols.

**GMRP-100™**, Rust & Paint Remover is classified as non-

hazardous. It contains **no Methylene chloride**, salts, caustics, or toxic or harmful chemicals. **GMRP-100™** is fully biodegradable.

**Note** In case of contact with skin or eyes, wash well with clean tap water. If irritation continues, seek immediate medical attention. **Keep out of the reach of children.**

### 8. - TECHNICAL SERVICES

The experienced and professional staff at **Assero Industrial Coatings** is available to answer technical questions and provide product-specific information required by architects, specifiers, contractors, and property owners.

### 9. - TECHNICAL DATA

FEATURE	DETAILS
<b>Color</b>	Clear
<b>Gloss</b>	None
<b>Vapour Pressure</b>	20 mmHg @ 20°C/68°F (As water)
<b>Wet Film Thickness (WFT)</b>	1/16" - 1/8" (1.5 mm - 3.17 mm)
<b>Volume Solid</b>	14%
<b>Density</b>	1.2 - 1.4 kg/L
<b>pH</b>	1 - 3
<b>Flash Point</b>	95°C / 203°F
<b>Sag</b>	20 mil plus
<b>Viscosity</b>	90-110 KU @ 25°C/77°F (16 sec Z#2 for Dipping System)
<b>VOC</b>	100 g/L
<b>Coverage</b>	80 - 100 ft <sup>2</sup> (7 m <sup>2</sup> - 9 m <sup>2</sup> ) / gallon (Gel)
<b>Shelf Life</b>	24 months (2 years)

**GMRP-100™**, RaPPeR™ is manufactured in Canada.  
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### 10. - DISTRIBUTOR INFORMATION

**ASSERO INDUSTRIAL COATINGS**

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