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TECHNICAL DATA SHEET	RSP01M	V3 – JUNE 2026 JS

Description

RSP01M is a water-based stripping solution specifically developed for use in spray stripping plant. It is an environmentally considerate and user-friendly formulation based on benzyl alcohol technology.
The highly concentrated formulation has been optimised to provide effective coating removal while avoiding many of the issues commonly associated with traditional water-based stripping products.

Method of Use

RSP01M is supplied as a concentrated product and must be diluted before use. The product is used diluted with water in a 2:1 ratio. (2 parts water to 1 part chemical)
For initial tank filling in a 600 lt tank:

- Add **200 litres of RSP01M** to the machine tank.
- Make up the solution to a total volume of **600 litres with water**.
- This provides a dilution ratio of **1:2 (chemical to water)**.

The solution should be operated at a temperature of **60–70°C**.
Stripping time will vary depending on:

- Coating thickness
- Paint type
- Wheel condition
- Required stripping performance

Cycle times should therefore be adjusted according to operating requirements.

Method of Control

During normal stripping operations, solution activity will gradually decrease due to:

- Removal of coating material
- Evaporation losses
- Solution carried out of the tank with removed wheels

A suitable maintenance regime is essential to maintain stripping performance.
The solution should be:

- Kept free from excessive paint contamination
- Filtered regularly
- Maintained within the recommended concentration and pH limits

Testing equipment (all supplied with first order)

- Sample pot
- Sample tap (attached to filter)
- Ph meter
- 1 teaspoon of salt
- 100 ml measuring cylinder

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Maintenance and Top Up
To be completed at the end of every cycle.

Top up the machine sump to the full level with water. Agitate the solution to ensure through mixing and remove a sample. Mixing is essential as the product separates on standing.
The sample is removed while the swill cycle is in progress via the sample tap (supplied)
Fill a 100 ml measuring cylinder with solution and add 1 teaspoon of Salt. Shake well and allow to settle. A distinct layer will settle after 15 minutes. Read off the scale. Using the top up table, make the necessary addition of chemical.

Target Range
pH Control
Target pH:
pH 1.5-3
Maintaining correct pH is essential for effective stripping performance.
Normal chemical additions will reduce pH. If:

- Chemical concentration is correct, but
- pH remains above the required level,

an **Acid Additive** may be added in **500 ml increments** to reduce the pH level.

Concentration (based on a 600 litre tank)

Concentration (%)	Activity (%)	Chemical Required
100	20	0
90	18	15
80	16	30
70	14	45
60	12	60
50	10	75

Concentration control notes:

- Adding fresh RSP01M will increase the activity level.
- Adding water will reduce the concentration.
- The activity level must be monitored and maintained accurately.

pH Control
Effective pH control is essential and must be maintained within range.
Normal chemical addition will reduce pH. If chemical levels are correct and the pH remains high, addition of Acid Additive can be made in 500ml increments to reduce levels – please contact us to discuss.

Machine Maintenance
For optimum stripping performance:

- Completely empty and clean the machine at least every **6 months**.
- Preferably carry out a full clean every **3 months**.
- Remove accumulated paint residues and contamination.
- Maintain regular filtration of the stripping solution.

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0Daily operational maintenance is also critical:

- Top-ups should be carried out **after every cycle**.
- Do not allow top-up procedures to be delayed until the end of the week.

Failure to maintain regular top-ups will have a detrimental effect on chemical performance and stripping efficiency.

Health and Safety

This product is for INDUSTRIAL USE ONLY.
As with all chemical solutions the relevant PPE must be worn, following a thorough risk assessment from the end user to determine their individual requirements. PPE is the responsibility of the end user. Always refer to the product Safety Data Sheet before using any chemical product.
Our Safety Data Sheet is available upon request: admin@ribbletechnology.co.uk

Limitations

This product is NOT suitable for:

- **Magnesium**
- **Steel**

Sole use: Aluminium parts.
It would be recommended to change the chemical out completely every 6 months to be at peak performance.
Over time particles and paints can be dissolved in the hot strip solution causing the brix reading to be a false reading.
Wheels should be thoroughly cleaned before being put in the RS Pro Strip. Dirt and brake dust can contaminate the chemical and will reduce the performance of the chemical.

Testing

Check the activity after every swill cycle and make a record.
Check the pH after every swill cycle and make a record.
pH tests are temperature dependant and so should be done while the chemical is still warm to get an accurate result.

Samples should be sent off monthly to Ribble Technology Ltd.

Ribble Technology Ltd
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