



### EmaroSolv MR (MEK Replacement) Product# 2855

#### Product Description

Techspray® Emarosol MR is a safer alternative to MEK (Methyl Ethyl Ketone) and MPK (methyl propyl ketone) for surface cleaning and preparation.

It has the performance characteristics and benefits of MEK and MPK, but with no OSHA occupational exposure limits. Emarosol MR is low odor, biodegradable, non-ozone depleting, zero VOC, low MIR and negligible GWP.

It has very similar evaporation rate and solvency to MEK and MPK, so it is considered a drop-in replacement for all applications, including tool and spray gun cleaning and surface cleaning process.

For removing dust, debris, partially cured and uncured resins and coatings during surface preparation, clean-up of composite, metal bond and edge seal applications.

#### Specifications

- Airbus AIMS09-00-002 (includes sandwich corrosion, paint softening, hydrogen embrittlement and immersion test)
- Boeing BSS7432 (includes sandwich corrosion, hydrogen embrittlement and stress corrosion cracking)

#### Features / Benefits

- Safer Replacement for MEK & MPK
- No OEL
- Biodegradable
- Low odor
- Zero VOC (Federal/EPA)
- Non-corrosive, safe for metals
- Extra-strength
- Moderate drying for better cleaning of thick greases

#### Applications

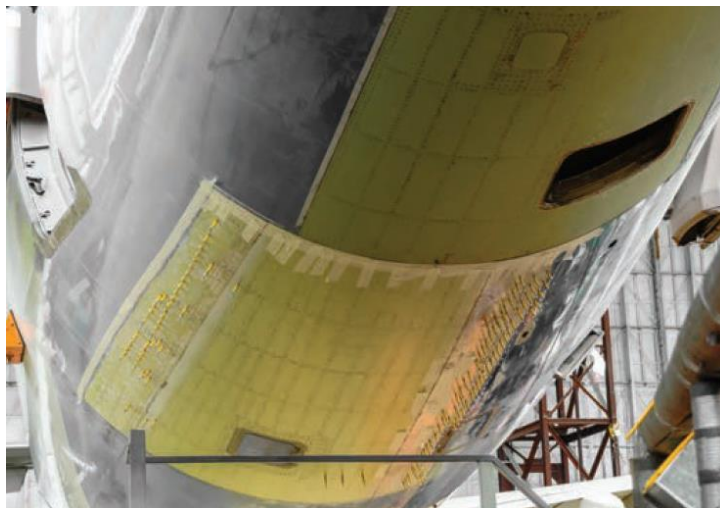
- General clean-up on work station, tools & parts
- Surface prep before painting, adhesive application & composite layup
- Cleaning & degreasing

#### Usage Instructions

Saturate a lint-free cloth. Wipe surface with cloth, rotating the cleaning side of the wipe periodically. **Note:** Can affect some highly sensitive plastics. Test on scrap, test coupons or an inconspicuous area before general use.

#### Packaging

|          |                        |
|----------|------------------------|
| 2855-5G  | 5 Gal. / 18.9 L Liquid |
| 2855-54G | 54 Gal. / 204 L Liquid |



#### Typical Product Data and Physical Properties

|                      |                         |
|----------------------|-------------------------|
| Flash Point (TCC):   | 63°F / 17°C             |
| Evaporation Rate:    | >1                      |
| (butyl acetate =1)   |                         |
| Specific Gravity:    | 1.07                    |
| Appearance:          | Clear, colorless liquid |
| Odor:                | Ethereal                |
| Solubility in Water: | Negligible              |
| MIR                  | 0.06                    |
| VOC Content:         |                         |
| Federal/EPA          | 0.0%                    |
| Shelflife            | 5 years                 |
| RoHS Compliant       | Yes                     |

## EmaroSolv MR

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#### Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

#### Resources

Techspray® products are supported by global sales, technical and customer services resources.

For additional technical information on this product or other Techspray® products in the United States, call the technical sales department at 800-858-4043, email [tsales@techspray.com](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

#### Emarosol MR Compared to Methyl Ethyl Ketone

|                                                     | MEK                                  | Emarosol MR                     |
|-----------------------------------------------------|--------------------------------------|---------------------------------|
| <b>Boiling Point :</b>                              | 62° C                                | 90°C                            |
| <b>Evaporation Rate:</b><br>(butyl acetate =1)      | 3.8                                  | 3.2                             |
| <b>Vapor Pressure @20°C:</b>                        | 70.2 mmHg                            | 42 mmHg                         |
| <b>Flash Point:</b>                                 | -9°C (16°F)                          | 17°C (63°F)                     |
| <b>Lower Explosive Limit:</b>                       | 1.4%                                 | 4.2%                            |
| <b>OSHA PEL</b>                                     | 200ppm TWA                           | No Occupational Exposure Limits |
| <b>Target Organ Toxicity</b><br>(single exposure)   | Category 3<br>Central Nervous System | None                            |
| <b>Target Organ Toxicity</b><br>(repeated exposure) | Category 2<br>Kidney, Liver          | None                            |
| <b>Hansen Solubility (cal/cm<sup>3</sup>)</b>       |                                      |                                 |
| <b>Hydrogen Bonding</b>                             | 5.1                                  | 3.9                             |
| <b>Non-Polar</b>                                    | 15.5                                 | 17.4                            |
| <b>Polar</b>                                        | 9.0                                  | 9.6                             |
| <b>MIR</b>                                          | 1.49                                 | 0.06                            |
| <b>VOC Content (Fed/EPA):</b>                       | 100%                                 | 0.0%                            |
| <b>RoHS Compliant</b>                               | Yes                                  | Yes                             |