



## Technical Data Sheet

## Additive O Immersion Paint Remover Seal

### Product Description

**Vantage™ Additive O** is a mineral oil seal used with Vantage's immersion paint remover to minimize evaporation loss and odor. This additive creates a protective seal above the paint remover solution.

### Features and Benefits

- Extends tank life
- Oil seal additive safeguards against evaporation and minimizes odor
- Will not smoke and emit fumes when heated to recommended temperatures
- Does not contain chrome, NMP, MeCl, phenols

### Process

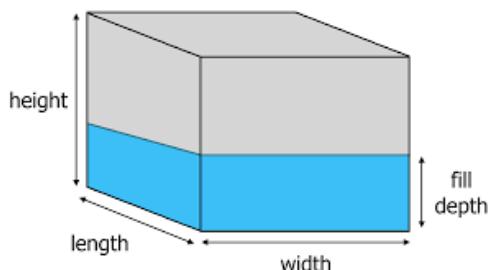
1. Before removing paint, ensure parts are free of oils, greases, and other contaminants. Vantage products qualified to aerospace and military under the AXAREL™, BIOACT™, CleanSafe™, and LENIUM™ brands may be used for the pre-cleaning step.
2. Immersion paint removers, such as IPR 9323 and B&B 9201, come ready to use. Fill the tank with the paint remover at full concentration (100%). Safeguard against introducing water into the bath.
3. (Optional) Add Additive O mineral oil seal to the tank, creating a layer with a thickness of 6 to 8 inches (15 to 20 cm). The oil seal minimizes evaporative loss. **Use the calculation below to determine the immersion paint remover fill capacity and the volume of Additive O needed to generate a complete oil seal.**
4. Heat the tank to the recommended temperature as specified in qualification or operating documents. Ensure the parts are fully submerged beneath the oil seal layer. Removal time may decrease with the use of fluid pump recirculation and/or mechanical agitation.
5. If an oil seal is used:
  - a. Parts may be rinsed in immersion using an alkaline cleaning solution such as CleanSafe™ 686. Add CleanSafe 686 to the rinse tank at 5-10% concentration and heat to 140-160°F (60-71°C). Mechanical agitation will improve this process step. A final water rinse (heated and agitated) is recommended.
  - b. Alternatively, immerse parts in a tank with water heated to 140-160°F (60-71°C) that utilizes a liquid level overflow to help remove the residual floating oil seal and safeguard from redeposition. A final water rinse (heated and agitated) may be required.
  - c. Parts may also be rinsed using heated water applied by high-pressure spray process.
6. If an oil seal is not used:
  - a. Parts may be rinsed in immersion using heated water with mechanical agitation.
  - b. Parts may be rinsed using heated water applied by a high-pressure spray process.

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### Calculation of Volume needed to achieve a 6-to-8-inch layer of Additive O

1. Determine tank volume fill capacity in cubic feet by multiplying *length x width x fill height of immersion paint remover*.
2. Multiply cubic feet by 7.5 to determine the tank fill volume in gallons. (1 cubic foot = 7.5 gallons of water).
3. To reach a 6-inch layer of mineral oil seal, divide 6 by the fill height and multiply by 100 to determine a percentage.
4. Multiply percentage by fill capacity to determine the number of gallons of Additive O to add to the bath.



height

length

width

*Example: 10 feet long x 8 feet wide x 10*

*feet high (fill height)*

*10 feet x 8 feet x 10 feet = 800 cubic feet*

*800 cubic feet x 7.5 gallons per cubic foot = 6000 gallons*

*6 inches/120 inches (10 feet) = 0.05 x 100 = 5%*

**6000 gallons x 5% = 300 gallons of Additive O needed**

### Disposal/Safety

#### Disposal:

Vantage recommends contacting your current or local environmental service company for proper disposal.

#### Safety:

Please see Safety Data Sheet for further information.

### Packaging

Available in pails and drums.

### Shelf Life

36 months when stored in the original, sealed container above 50°F (10°C).

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