Technical Data Sheet

IPR 9323
Immersion Paint Remover

Product Description

Vantage™ IPR 9323 is a hot, diphase immersion paint remover for aircraft wheels, landing gear, and other aircraft ground equipment (AGE) components. IPR 9323 may be used with a mineral oil seal (Additive O) to minimize evaporative loss and odor.

Features and Benefits

- Superior tank life
- Oil seal additive safeguards against evaporation and minimizes odor
- Will not smoke and emit fumes when heated to recommended temperatures
- Removes epoxy primers, polyurethane topcoats, powder coatings, and other coating systems
- Contains no US EPA Hazardous Air Polluatants (HAPs) and is EU-REACH compliant
- Does not contain chrome, NMP, MeCl, phenols

Properties

Color	Yellow
Appearance	Clear
pH Value	11.0
Flash Point	>100C
Viscosity (@ 25°C)	21.6 cps
VOCs g/L	979.67

Use Instructions

1. Before removing paint, ensure the parts surface is 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. IPR 9323 comes ready to use. Fill the tank with IPR 9323 at full concentration (100%). Safeguard against introducing water into the IPR 9323 bath.

3. Heat the tank to 130°-160°F (54°- 71°C) or a 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.

4. (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.

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5. If an oil seal is used:
    a. 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.

    b. Alternatively, 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.

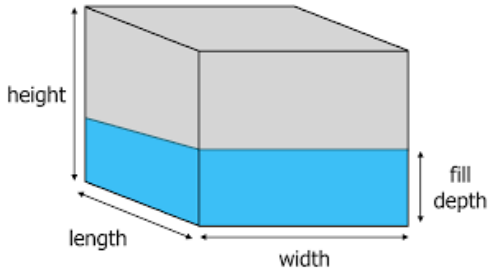
    c. Parts may also be rinsed using heated water applied by high-pressure spray process.

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.

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.



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 feet = 6000 gal
6 inches/120 inches (10 feet) = 0.05 x 100 = 5%
6000 gallons x 5% = **300 gallons of Additive O needed**

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Approvals/Testing

Approvals

- **Military**
  - MIL-PRF-83936C

Testing

- **Boeing**
  - BSS 7432
- **Douglas**
  - CSD #1
- **SAE**
  - AMS 1375 (ASTM F1110, ASTM F483, ASTM F1111, ASTM F519 Type 1C)

NSN #

8010-01-374-4336 (55 gal), 8010-01-040-1059 (55 gal)

Environmental/Regulatory/Sustainability

Volatile Organic Compound (VOC)	979.67 g/L
Superfund Amendments and Reauthorization Act (SARA)	Not Regulated
National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
Resource Conservation and Recovery Act (RCRA)	Not Regulated

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

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

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