Technical data sheet

WHEELIE4204Aqueous Degreaser



DESCRIPTION

WHEELIE is a concentrated liquid degreaser formulated for the removal oil and grease on aircraft metal components.

WHEELIE is designed for use in spray washers, immersion and agitated tanks or manual cleaning.

APPLICATION



WHEELIE is recommended for all components and engine parts, landing gears, wheel hubs, bearings etc.

WHEELIE is suitable for carbon removal from galley ovens and surrounding.

PRODUCT BENEFITS

- Powerful degreasing action
- · Controlled foam to allow use in agitated tanks or spray wash machines
- Free rinsing
- Safe on steel, aluminium, titanium, magnesium and copper alloys
- Safe on most paints and plastics
- Non-flammable

PHYSICAL PROPERTIES

Appearance	. Liquid
Colour	. Clear pale
Odour	
Specific Gravity	. 1.011 ± 0.01
pH (Neat)	. 10.9 ± 0.2
Solubility	. Water soluble
Flammability	

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- AMS 1537A Cleaner, Alkaline (Hot Tank Type)
- APR 1755B Effect of Cleaning Agents on Aircraft Engine Materials Stock Loss Test Method (Cat. 10)
- ASTM F945 Stress Corrosion of Titanium Alloys by Aircraft Maintenance Materials (Method A)
- Pratt & Whitney SPMC 138
- Pratt & Whitney Determination of the effect of Chemical Cleaners on Non-Metallic Materials
- Pratt & Whitney PWA 36604 (Appendix 4) Rev. 07/97 Hot Corrosion Testing of Standard Gas Turbine Engine Alloys
- Goodrich
- Allied Signal
- Honeywell



DIRECTION FOR USE

Soak Tank:

Light to moderate soils:10% to 25% water solutionModerate to heavy soils:25% to 50% water solution

- Immerse parts in bath at 50-70°C for 10 to 30 minutes. For most applications 60°C for 15 minutes provides satisfactory results. Best results are obtained if some agitation is used.
- When cleaning is complete, remove parts and allow excess solution to drain back into the tank.
- Rinse thoroughly with a water spray or dip in an air agitated, overflowing clear water rinse tank

Spray Washer:

- To charge washer, fill tank with a 10% to 20% A4-204 solution in water and heat to 50-70°C. A 10% solution is usually satisfactory.
- Spray on for 5 to 10 minutes.
- When clean, spray rinse with water or dip in an air agitated, overflowing, clear water rinse tank

Solution Control (Field procedure):

• Maintain operating temperature. A drop in the temperature of the bath will adversely affect cleaning performance and produce more foam

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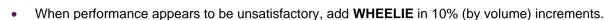
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CORPORATE FOUNDATION DRAPP Hygiene is Life

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- If performance fails to show improvement, dump and recharge the tank with fresh WHEELIE.
- WHEELIE solution concentrations can be determined by using the following method.

Test Method for WHEELIE

Equipment: 10 ml Pipette 200 ml Beaker pH meter Distilled water 0.1 N Hydrochloric Acid

Method:

- Take a 10 ml sample of the A4-204 Bath solution and place into the 200 ml beaker.
- Add 90 ml of distilled water.
- Titrate with 0.1 N Hydrochloric Acid to a pH of 7.00 ± 0.05.

% v/v of A-4204 = $1.06 \times \text{Number of mls of } 0.1 \times \text{Number of mls of }$

STORAGE & SAFETY

Two years, stored in closed original packaging in a cool and dry place. **NON-HAZARDOUS**. Avoid contact with eyes and skin. Wear safety glasses if splashing is likely to occur. Wear rubber gloves if prolonged skin contact is expected.

For further information please refer to the Material Safety Data Sheet.

PACKAGING

Ref: A-4204-O2 Pail 25L Ref: A-4204-U2 Drum 205L

WARRANTY

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