

## Honey Bee Cleaner 60

**An acidic liquid cleaner developed for removal of hard water scale from vacuum and recirculating aircraft toilet systems**

### Approvals

Honey Bee 60 conforms to the following :AMS1640

AMS 1476B(partial)

AIRBUS AMM38-31-00; A-318/19/20/21.

AIRBUS AMM38-31-00; A-330/340/380.

BOEING AMM38-32-00; B-737/300/400/500

BOEING AMM38-32-00;B-737/600/700/800

BOEING AMM38-32-00;B-747/757/767/777/787

BOEING SOPM 20-30-03

### Advantages

1. Effectively removes water scale and stains from stainless steel.
2. Allows for in-place cleaning, eliminating the need to remove toilet systems from the aircraft.
3. Can be applied directly to scale deposits for local cleaning.
4. Thickened for better cling on vertical surfaces.
5. Safe on stainless steel, most plastics and good quality paint.
6. Non-flammable. Surfactants biodegradable
7. Regular cleaning will assist in maintaining toilet systems in good operating condition and help control odours offensive to the travelling public.

### Use Procedures

#### In-place Descaling of Vacuum toilet Systems; Without Crushed-Ice Procedure

1. Place in each toilet bowl 2 liters (0.5 gallon) of Honey Bee 60.
2. Flush the toilets as many times as required to empty the bowl
3. Drain and service the waste tanks with lavatory deodorant.
4. Apply treatment every 7 to 10 days.

For local cleaning, apply toilet cleaner full strength to soil and scale using a plastic squeeze bottle.

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## Use Procedures(continued)

### In-place Descaling of Vacuum toilet Systems; Crushed-Ice Procedure

1. Place in each toilet bowl 2 liters (0.5 gallon) of crushed ice\*.
2. Place in each bowl on top of the crushed ice 2 liters of Honey Bee 60.
3. Flush the toilets as many times as required to empty the bowl
4. Drain and service the waste tanks with lavatory deodorant.
5. Apply treatment every 7 to 10 days.

**\*Note: Ice cubes should be approximately 1 cm (0.5 inch) diameter as larger cubes may damage level detecting equipment in the holding tank**

### Shop Cleaning of Toilet System Parts

1. Charge a #316 stainless steel or acid-resistant plastic tank with Honey Bee 60, undiluted or diluted with up to 1 part water.
2. Completely immerse part in Honey Bee 60 solution at ambient temperature and allow to dwell until deposits have been loosened. Some agitation of the solution will speed removal.
3. When cleaning is complete, remove the parts and allow excess solution to drain back into the tank.
4. Rinse parts thoroughly with water using spray or immersion method

### De-scaling and cleaning Tap and water supply units.

1. Apply Honey Bee 60 on scaled areas and leave for 10 to 20 mins.
2. Rinse of with cold water or wet paper cloth.

## Properties

Slightly viscous blue liquid with a pleasant odour. No flash point up to and including initial boiling point 100°C.

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# Product Data Sheet

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## Honey Bee Lavatory Deodorants

The Honey Bee toilet deodorants, as listed below, are blue in colour and pleasantly scented.

Honey Bee Deodorant 20:Quaternary amine base liquid. Concentrated.

Honey Bee Deodorant Pak 40:Quaternary amine base powder contained in water soluble packs.

## Precautions

CAUTION! Honey Bee 60 is not safe for use on high strength steel, zinc or magnesium.

Storage and handling equipment should be constructed of 316 stainless or acid resistant plastic materials, such as fibreglass, polypropylene or polyethylene.

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McGean-Rohco (UK) Ltd.  
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