

Data Sheet



HONEY BEE™ 60

Honey Bee™ 60 is a thixotropic, acidic, liquid cleaner designed to remove hard water scale from vacuum and recirculating toilet systems.

BENEFITS

- Effectively removes water scale from vacuum toilet system lines, lavatory holding tanks and components.
- Allows for in-place cleaning, eliminating the need to remove toilet systems from the aircraft.
- Can be applied directly to scale deposits for local cleaning.
- Thickened for better cling on vertical surfaces.
- Safe on stainless steel, most plastic and good quality paint.
- Surfactants biodegradable.
- Regular cleaning will assist in maintaining toilet systems in good operating condition and help control odors offensive to the travelling public.

CONFORMS TO

- AIRBUS_08AHB1 (CML 862900)
- AIR CANADA MPM
- AIR FRANCE (CML 11-028, 14-001A)
- AMERICAN AIRLINES
- AMS 1476B
- AMS 1640
- BOEING AMM 737, 747, 757, 767, 777
- BOEING SERV. LTR. 747-400-SL-38-30A
- BOEING SERV. LTR. 767-SL-38-7B & 9A
- BOEING SERV. LTR. 737-SL-38-032-J, 747-SL-38-081-J, 757-SL-38-019-J, 767-SL-38-045-J, 777-SL-38-019-J, 787-SL-38-002-J
- BOEING SOPM 20-30-03, PAGE 43, MAR 01/2007
- DELTA
- DOUGLAS AOL LETTER (C-9, DC-8, DC-9, KC-10, DC-10, MD-11, MD-80)
- EMBRAER CPC
- EMBRAER NE 40-012
- GARUDA INDONESIA
- KLM
- SABENA

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NOTES PRIOR TO HANDLING

Before using your Cee-Bee® products, all safety and operating instructions should be read and understood. If you have any questions, please contact your Cee-Bee® representative before proceeding.

USE PROCEDURES

In-place Descaling of Vacuum Toilet Systems

1. Drain and service the waste tanks with lavatory deodorant or fresh water.
2. Place in each toilet bowl 0.5 gallon (2 liters) of Honey Bee™ 60 and 0.5 gallon (2 liters) of ice.
 - a. **Note:** Ice cubes should be approximately 0.5inch (1.3cm) diameter as larger cubes may damage level detecting equipment in the toilet holding tank.
 - b. **Note:** Use of ice cubes with Honey Bee™ 60 is recommended, but optional. This product can be used independently without ice.
 - c. **Note:** Do not keep Honey Bee™ 60 in the toilet bowl longer than necessary.
3. Flush the toilet to make sure that Honey Bee™ 60 is removed from the toilet bowl. Let Honey Bee™ 60 stay in the waste lines as long as possible. Repeat procedure for each toilet.
4. Before the aircraft re-enters service, flush approximately 1.0 gallon (4 liters) of fresh water down each toilet to remove acid residues and loosened scale.
5. Drain and service the waste tanks after all the toilets and waste lines have been treated and rinsed.

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 parts 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 the 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.

USE PROCEDURES (CONT'D)

Local Cleaning

1. Apply Honey Bee™ 60 full strength with a plastic squeeze bottle or trigger spray bottle to hard water scale that forms under the potable water flush ring, to the flush valve in the bottom of the toilet bowl, or to the underside of the toilet shroud after removal.
2. Allow Honey Bee™ 60 to dwell and then agitate with a Tampico brush or a low abrasion Scotchbrite pad.
 - a. CAUTION: Do not use metal tools to remove hard water scale from the toilet bowl as this will damage the Teflon coating on stainless steel toilet bowls or will scratch the surface of plastic toilet bowls.
3. Add fresh water to the toilet bowl and flush to evacuate the Honey Bee™ 60. For toilet shroud cleaning, wipe away residual Honey Bee™ 60 and neutralize the surface by apply a deodorizing alkaline cleaner such as Honey Bee™ 90.

PROPERTIES

- Slightly viscous.
- Blue liquid.
- Pleasant odor.

SAFETY, HANDLING, AND PRECAUTIONS

- Honey Bee™ 60 is not safe for use on high strength steel, zinc or magnesium.
- Acid material can cause burns. Avoid eye and skin contact. Chemical goggles or face shield and chemical-resistant gloves are recommended.
- In case of accidental contact, flush area thoroughly with water. If irritation persists, seek medical attention.
- Do not take internally.
- Storage and handling equipment should be constructed of 316 stainless or acid resistant plastic materials, such as fiberglass, polypropylene or polyethylene.