

Cee-Bee[®] A-477

Cee-Bee[®] A-477 is a non-methylene chloride, alkaline, diphase, hot tank paint and carbon remover.

Conforms To

- Airbus
- Aircraft Braking System Corp. (ABSC)
- ARP
- Avco Aerostructures
- Bombardier
- CFM56
- General Electric
- IAE
- Military
- Pratt & Whitney
- Rolls Royce

Full Approval Details on Page 2

Benefits

- Effectively removes carbonaceous deposits and a wide range of paint systems, such as polyurethanes, polyamides, epoxies and phenolics.
- Provided with an oil seal to minimize evaporation.
- Safe on most aircraft structural metals, including high strength steel, stainless steel, mild steel, aluminum, magnesium and titanium.
- Contains non-photochemically reactive solvents which will not contribute to air pollution.
- Contains no phenols, cresols, cyanides, chlorinated solvents, or heavy metal salts.

Properties

- Clear orange diphase liquid
- Amine type odor

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.

Conforms To (Continued)

- Airbus
 - CML 867900
- Aircraft Braking System Corp. (ABSC)
- ARP
 - ARP 1755
- Avco Aerostructures
- Bombardier
 - BAPS 180-006
- CFM56
 - CP 2549
- General Electric
 - C04-194
 - Approved for CFM56 & CF6
- IAE
 - CoMat No. 01-120
- Military
 - Mil-R-83936C
- Pratt & Whitney
 - SPMC 152 (SPOP 260)
- Rolls Royce
 - OMat No. 1/226F
 - OMat No 1/229D (A-477 Additive A)
 - OMat No 1/227E (A-477 Additive O)

Safety, Handling, and Precautions

- **WARNING! Highly alkaline.** Avoid any contact. May cause severe burns.
- Use face shield or goggles, rubber gloves and other protective clothing sufficient to avoid any eye and skin contact.
- Use with adequate ventilation.
- Wash thoroughly after handling.
- Do not take internally.
- In case of accidental contact, immediately flush area with water for at least 15 minutes. If irritation persists, seek medical attention.
- Remove and wash contaminated clothing before reuse. For ingestion, do not induce vomiting. Administer large quantities of water. Seek medical attention.
- Before removing the bung, loosen slowly to relieve internal pressure. Keep bung tight to prevent leakage. Keep away from sparks and open flame.
- Avoid contamination of Cee-Bee[®] A-477 with water. The stripper may become corrosive to some alloys and stripping performance will be adversely affected.
- The product is not flammable below the working temperature of the bath. Maintaining a 6-8" oil seal will prevent vapor build up.

Use Procedure

Removal of Paint, Rubber, and Carbon

Use full strength at 160-212°F (71-100°C). Although 180°F (82°C) is adequate for most applications, a higher temperature is recommended for removing the most resistant coatings.

1. Immerse parts completely into lower layer and soak until coating and/or soils have been penetrated and loosened. Soak time will vary from a few minutes to several hours depending on the coating type and thickness. Parts can be lightly brushed to speed removal.
 - a. **Caution:** All parts going into the Cee-Bee[®] A-477 bath must be completely dry to prevent water contamination. Post rinsing with water should be in an area away from the Cee-Bee[®] A-477 tank. If there are adjacent rinse tanks, the Cee-Bee[®] A-477 tank should be equipped with a stainless steel lid.
2. When the cleaning operation is complete, remove the parts and allow excess remover to drain back into the tank.
3. Rinse with air boosted water spray away from the tank area to minimize the risk of water contamination.
4. Wipe the parts dry or allow to air dry.

Cee-Bee[®] A-477 Product Line Components

- Cee-Bee[®] A-477
 - Concentrated product
- Cee-Bee[®] A-477 Additive A
 - Maintain alkalinity level by laboratory analysis
- Cee-Bee[®] A-477 Additive O
 - Maintain oil seal by laboratory analysis

Solution Control

- Periodic additions of Cee-Bee[®] A-477 paint stripper and Cee-Bee[®] A-477 Additive O (oil seal) are required to replace loss due to drag out and evaporation.
- Maintain the tank operating level by making periodic additions of Cee-Bee[®] A-477.
- Maintain at least a 6" to 8" (15 to 20 cm) oil seal by visual observation. Adjust if necessary with Cee-Bee[®] A-477 Additive O. This will reduce evaporation losses as well as reduce fumes coming from the solution surface.

Titration Analysis

If the titration lies between 12.0 and 14.0 mls, no addition is required. Once the titration is less than 12.0 ml, additions of Cee-Bee[®] A-477 Additive A should be made to bring the analysis back up to 14.0 mls.

Reagents and Equipment

- Pipet
- 250 ml Erlenmeyer Flask
- Burette
- Deionized Water
- Bromocresol Green Indicator
- 1.0N HCL

Analysis Procedure by Titration

1. Pipet 2 ml. of the lower layer into a 250 ml. Erlenmeyer flask.
2. Add approximately 50 ml. of deionized water with 2-3 drops of Bromocresol green indicator.
3. Titrate with 1.0N HCL until the blue color changes to yellow.
4. Calculations:
 - a. $(14.0 - \text{mls } 1\text{N HCL required}) \times 3.0 = \text{litres of Cee-Bee}^{\text{®}} \text{ A-477 Additive A required for each } 100 \text{ litres of tank solution.}$

Contact Us

United States

McGean

Phone: +1-216-441-4900

Fax: +1-216-441-1377

Email: Aviation@McGean.com

United Kingdom

McGean-Rohco (UK) Ltd.

Phone: +44-1902-456563

Fax: +44-1902-457443

Email: Aviation@McGean-Rohco.co.uk

Singapore

McGean Singapore

Phone: +65-6863-2296

Fax: +65-6863-2297

Email: Info@ceebee.com.sg

China

Cee-Bee Aviation Materials (Xiamen) Co. Ltd.

Phone: +86-592-551-3689

Email: Info@ceebee.com.cn

Cee-Bee[®] A-477 is a non-phenolic, alkaline, diphase, hot tank paint and carbon remover.

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Revision: 06/2021 (Rev. A2)