

BONDERITE C-MC 5884 AERO

Known as TURCO 5884
April 2017

PRODUCT DESCRIPTION

BONDERITE C-MC 5884 AERO provides the following product characteristics:

Technology	Maintenance Cleaner
Product Type	Liquid Cleaner
Application	Jet Engine Compressor

BONDERITE C-MC 5884 AERO is a concentrated liquid cleaner which is effective in the removal of oil, salt and solid deposits from compressor blades, guide vanes and rotors of in-service jet engines.

Periodic cleaning of these components is necessary to avoid power loss, abnormal temperature increases and increased fuel consumption.

Special Features:

- Meets the requirements of and is approved to MIL-C-85704C Type I
- Listed in General Electric SPM REF #C04-140
- Listed in Pratt & Whitney SPMC-87
- Flash point 65°C minimum (Tag Closed Cup)
- Typically very low in phenol, chloride and sulfur
- Ash Free
- Readily miscible with water

DIRECTIONS FOR USE

Preliminary Statement:

Prior to use it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

Application:

Concentration:

Mix 1 part BONDERITE C-MC 5884 AERO with 4 parts distilled or demineralized water for PROCEDURE "A".

Mix 1 part BONDERITE C-MC 5884 AERO with 1 parts distilled or demineralized water for PROCEDURE "B".

NOTE: For cold weather (below 0°C) add 20% by volume methanol (methyl alcohol) or glycol.

Equipment:

PROCEDURE "A" - Pressure pot with control valve, hose and spray nozzle or a Drum Master Model #220 for direct proportioning from the Container.

PROCEDURE "B" - Special cleaning rig consisting of pressure tank, pump, valves and supply hose specified by Jet Engine Manufacturer.

Cleaning Procedure:

PROCEDURE "A" - Rotating Engine with Starter

1. Mix 1 part BONDERITE C-MC 5884 AERO with 4 parts water in pressure pot (or use a proportioner).
2. Inject the BONDERITE C-MC 5884 AERO water solution into compressor air intake while energizing the starter motor for 60 seconds. Permit the BONDERITE C-MC 5884 AERO solution to dwell 5 minutes.
3. Repeat Step No. 2.
4. Rinse with cold distilled or demineralized water with starter motor running for 60 seconds.
5. After 5 minutes, repeat Step No. 4 as necessary to flush out all residual BONDERITE C-MC 5884 AERO and loosened soils.
6. After starter has cooled, run engine and test performance.

PROCEDURE "B" - With Engine Operating (Allow engine to cool after shutdown for a minimum of 45 minutes).

1. Fill spray tank with 10 gallons BONDERITE C-MC 5884 AERO and 10 gallons distilled or demineralized water, mix well.
2. Make sure supply hose valve is closed, then pressurize tank with compressed air to 100 psig.
3. Connect supply hose to anti-icing fitting or as directed by engine manufacturer.
4. Start engine as directed in manual and run at 7,000 RPM or as prescribed by the manufacturer.
5. When engine has stabilized, turn on cleaning rig pressure pump and inject the BONDERITE C-MC 5884 AERO cleaning solution at 45 psi into engine.
6. When the BONDERITE C-MC 5884 AERO solution has passed through the engine, taking approximately 5 minutes, turn off the pump switch and shut off the supply valve.
7. Flush the engine with distilled or demineralized water for approximately 5 minutes.
8. Clear all fluids from the engine by increasing RPM to cruising for approximately 15 minutes.
9. Check engine operation and test performance. Repeat cleaning procedure as necessary.

NOTE: The above procedures are typical; however the process recommended by the engine manufacturer must be followed.

Precautions:

BONDERITE C-MC 5884 AERO contains aromatic hydrocarbon, butyl ether glycol and hexylene glycol. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation. Do not use near open flames, torches or welding arc.

Protective clothing, such as a chemical face shield or goggles and gloves, boots and apron made from acid resistant materials should be worn when handling and using this product. A **NIOSH** approved respirator should be worn when handling liquid or during mist conditions.

Storage:

BONDERITE C-MC 5884 AERO can be stored at temperatures if 0 to 60°C without detrimental effects.

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

- Hazards identification**
- Transport information**
- Regulatory information**

ADDITIONAL INFORMATION**Disclaimer****Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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