



# **TURCO CARBOBLAST COMPOUND**

## **INTERNAL CLEANING OF TURBOJET ENGINES**

### **DESCRIPTION:**

TURCO CARBOBLAST, a soft grit blasting material, is a mixture of walnut shells and apricot pits. These semi-abrasive lignocelluloses pellets are injected into jet engines to clean the compressors of contamination caused by salt, dust, smog and exhaust deposits sucked into the engine during '7reverse-thrust braking procedures. Removal of these deposits results in improved engine performance and fuel economy.

### **BENEFITS:**

TURCO CARBOBLAST offers these benefits:

1. Pellets are tough, possess high strength and resist breakdown.
2. Will not pit, scratch or damage metals, or other materials that are harder than the pellets.
3. Conforms to MIL-G-5634C, Amend 2, Type VI.

### **USE INSTRUCTIONS:**

Turbojet engines are generally prepared for cleaning with TURCO CARBOBLAST compound by removing internal instrumentation equipment, or fittings that may become plugged by impingement of the pellets. All open fittings, tubing, and air bleed ports around and in the engine, must be effectively closed with a cap or tape. An impingement cone is usually placed over the engine nose cone to protect the accessories mounted in front of the engine and to provide more uniform distribution of the TURCO CARBOBLAST pellet over the frontal area of the engine air inlet.

Approximately 200 lbs. of TURCO CARBOBLAST should be uniformly injected into the engine over a period of 30-40 minutes while the engine is being operated at 70-95% rpm. The engine should be run for an additional 5 minutes at idle, and shut down. All temporary caps and enclosures should then be removed and the engine operated again for 5 minutes to blow out pellet residues that may have accumulated in the fittings.

Reinstall all instrumentation equipment and fittings that were removed prior to the cleaning operation. Then re-trim and recalibrate the engine in compliance with the specified data plate trim speed.

## **SPECIAL INSTRUCTIONS:**

Various types of automatic hoppers may be employed to continuously feed the TURCO CARBOBLAST pellets into the engine. Either gravity or suction feed equipment may be used; making certain the feed valve is properly adjusted to supply the correct flow of TURCO CARBOBLAST for each specific engine.

The use of TURCO CARBOBLAST compound for appropriate Tech Orders and Maintenance Manuals more specifically cover cleaning military and commercial turbojet engines for each engine or aircraft. During the cleaning operation, the engines must be operated in strict accordance with the limits prescribed in the applicable engine handbooks.

## **DISPOSAL INFORMATION:**

Dispose of spent TURCO CARBOBLAST and residues per local, state and regional regulations. Refer to your local TURCO Territory Manager, Region Sales Office, and OSHA FORM 20 SHEET or TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

## **CAUTION:**

Dust will cause eye and skin irritation. Avoid contact with eyes, (goggles should be used to prevent solid particles from entering eyes when handling) skin and clothing. Use respiratory mask for filtering fine dust. Do not take internally, Use with adequate (equivalent to outdoor) ventilation. Use mechanical and local exhaust to prevent build up of dust concentration, which can cause a combustible and explosive mixture in air.

If product is used in blast cleaning operation, equipment must comply with OSHA regulations Vol. 36, No. 105, May 29, 1971, Section 1910.94.

Refer to container label, TURCO MATERIAL SAFETY DATA SHEET or OSHA FORM 20 SHEET for additional precautionary, handling and first aid information.

## **NOTICE:**

*The above information and recommendations concerning this product are based upon our laboratory tests and field use experience. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of this product.*