



**cleaning
technology**

TURBO K CONCENTRATE GAS TURBINE CLEANER
Gas Turbine Cleaner Concentrate

PRODUCT DESCRIPTION

Turbo K is a water based, triple surfactant system detergent cleaner for off-line and on-line washing of gas turbine engine compressors.

PRODUCT APPLICATIONS

Turbo K is specifically designed for the cleaning of gas turbine compressors of all sizes, using either the hot on-line fired wash technique or the cold off-line cranked wash technique, leaving the surface resistant to corrosion.

Spray ring or lance-type application equipment should be used, in accordance with the instructions of the turbine manufacture.

Turbo K should be diluted to one part Turbo K with four parts water of quality according to the Gas Turbine OEM specification. Can be used in ambient temperature solution or with heated water as and if desired or specified.

PRODUCT FEATURES AND BENEFITS

- 3 way surfactant formulation gives excellent cleaning performance, particularly in on-line cleaning
- Powerful cleaning effectively prevents compressor fouling
- Reduced blade soil-loading ensures maximum power output and optimum fuel efficiency giving reduced wear on bearings and blades
- Extremely low ash level permits on-line washing and minimises downtime and production losses.
- Powerful corrosive inhibition permits engines to be left ready for instant re-start
- Non corrosive to any material commonly used in gas turbine construction
- No adverse effect on synthetic turbine lubricants

TECHNICAL DATA

Appearance	Dark straw coloured liquid
Odour	Unperfumed
Specific Gravity	1.1 (+/-) 0.1
pH Value	7.3 (neat product)



NOTE

If used in low temperatures, a suitable antifreeze agent should be added according to Gas Turbine OEM recommendation. **Turbo K** is fully compatible with IPA, Methanol, Ethylene, Glycol, Methyl Ethyl Ketone and Acetone.

SPECIFICATIONS

Turbo K meets relevant gas turbine OEM specifications world wide including the following:-

ALSTOM Power (ABB, ABB STA, Ruston)	Mitsubishi
Allied Signal (Honeywell)	Pratt & Whitney
Dresser Rand	Rolls-Royce
GEAE (GE Aircraft Engines)	Siemens
GEIAD (LM Engines)	Siemens-Westinghouse
GEPS (Frame Engines)	Solar Turbines
MAN/GHH BORSIG	Turbomeca
Kawasaki	

HEALTH, SAFETY AND ENVIRONMENT

Skin Contact	Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. If irritation persists obtain medical advice.
Eye Contact	Wash well with clean water, holding eyelids open. If irritation persists, obtain medical advice.
Swallowing	Do not induce vomiting. Immediately wash out mouth with water. Obtain immediate medical advice.
Spillage	Small spills should be soaked up with Castrol MOP Natural Absorbent or similar inert oil absorbent. Larger spillages need to be contained immediately and removed for disposal through an approved facility.
Disposal	Dispose according to federal, E.P.A., state and local regulations.
Storage	Store in cool, dry, well-ventilated area, out of direct sunlight. Store away from incompatible materials. Protect containers from damage and frost.

Although all reasonable care has been taken to ensure that the information in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing in: the blend of formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol Australia Pty Ltd

Technical Advice Line: 1300 557 998

Customer Service: 1300 554 890

www.castrol.com.au

Sydney	(02) 9795 4800	Fax: (02) 9795 4815
Melbourne:	(03) 9268 4200	Fax: (03) 9268 3915
Brisbane:	(07) 3850 9300	Fax: (07) 3850 9399
Adelaide:	(08) 8347 6200	Fax: (08) 8449 1800
Perth:	(08) 9268 9288	Fax: (08) 9268 9235