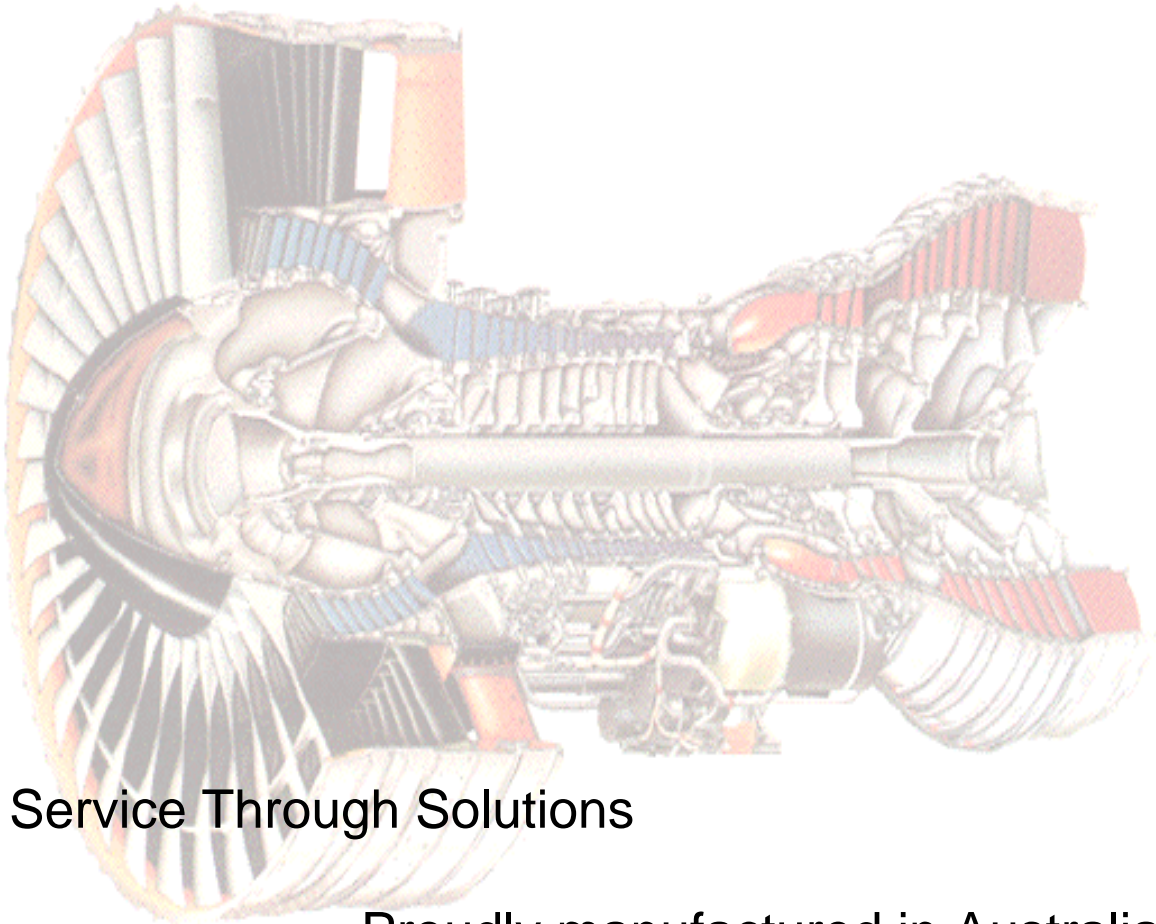


ARDROX
ENGINE OVERHAUL
CHEMICALS



Service Through Solutions

Proudly manufactured in Australia

by

 **SureChem Industries Pty Limited**

A Chemetall Company

SureChem Industries Pty Limited is an Australian owned company producing a wide range of speciality chemical products in their manufacturing plant in Sydney.

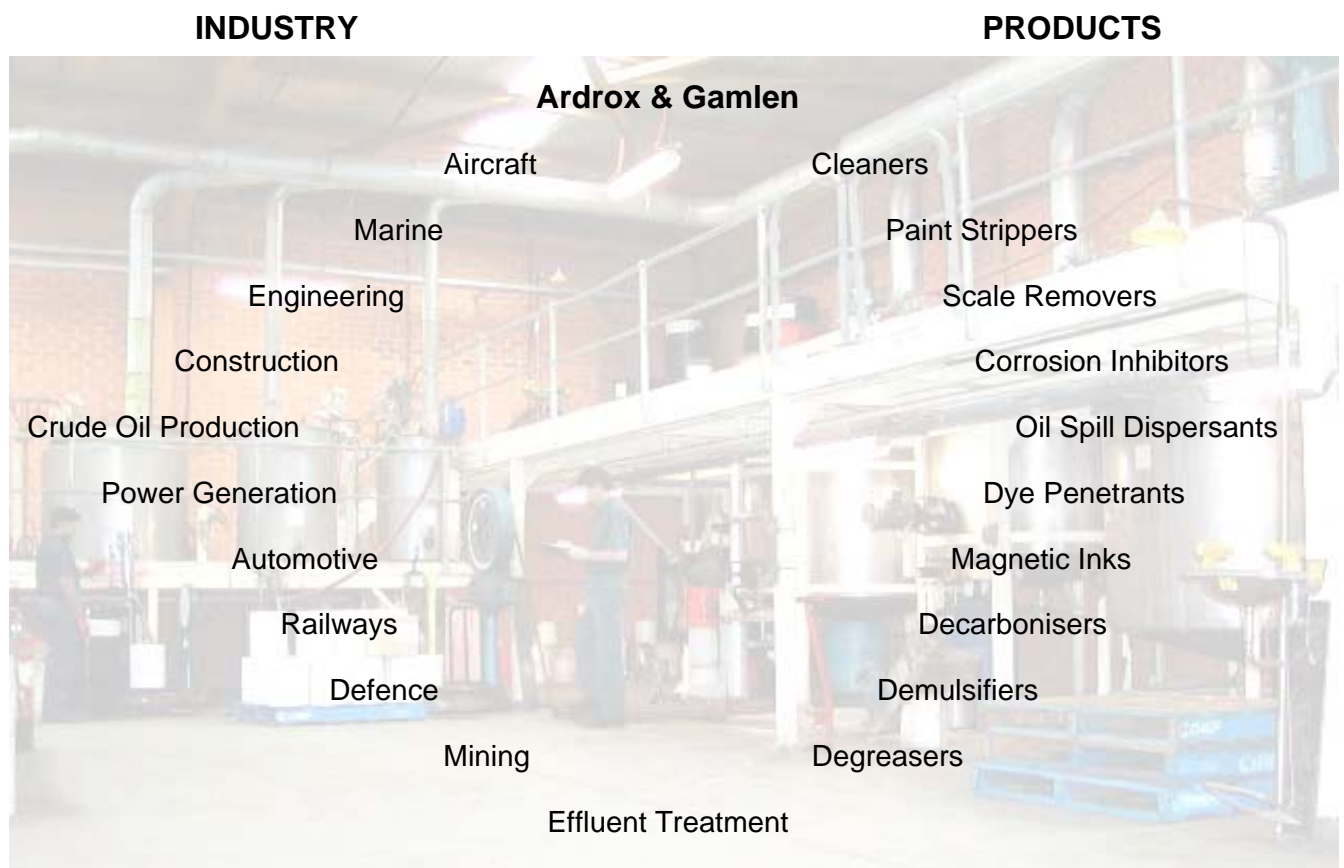
The company has been in existence for 50 years, originally manufacturing and marketing the Ardrox range of products for descaling, paint stripping, corrosion protection, cleaning and non destructive testing. The ownership of the company changed in 1984 and has been under the control of and operation by the same shareholders and management team since that date.

In 1989 SureChem Industries Pty Limited purchased the business of Gamlen Australasia Pty Limited which expanded their operating base and broadened the product range to include the Gamlen range of marine maintenance chemicals.

The Ardrox trade name is synonymous with the aerospace industry, offering reliable solutions for the most demanding application for aircraft maintenance and overhaul.

The Gamlen trade name has its roots well entrenched in the marine industry providing a wide range of products for the maintenance of vessels and engine overhaul.

The combination of these two respected and reliable product ranges has produced an extensive line of chemical solutions which have applications in almost every industry.



SureChem Industries Pty Limited offers a wealth of experience and technical expertise in the application of this comprehensive product range to the diverse problems encountered in today's industry.

This brochure contains a brief overview of the approved products available from Surechem for use in the overhaul of piston and gas turbine aircraft engines. Technical data sheets and material safety data sheets, where applicable, are available for each product on request.

GAS TURBINE OVERHAUL

ARDROX PRODUCT	DESCRIPTION	PACK SIZES
PRIMARY CLEANERS		
Ardrox 67	Low Foaming Alkaline Cleaner. Suitable for use by immersion or in a spray washing machines. Used heated at concentrations of 12-25 g/L	25 KG 200KG
Ardrox 607	Heavy Duty Emulsifiable Degreaser Concentrate. Usually used diluted with 6-9 volumes of kerosene	20 L 200L
Ardrox 6333	Water based Heavy Duty Primary Cleaner. Removes oil, grease and soft carbon. Can be heated up to 75° C and dilute with up to 9 volumes of water. Very effective when used in an ultrasonic bath.	20 L 200 L
PAINT AND CARBON REMOVAL		
Ardrox 2302	Environmentally friendly used heated to 85 °C by Immersion. Effectively removes stoved epoxy and polyurethane paint schemes. An Oil seal reduces the loss of the active solvents. Safe on all metals.	20 L 200 L
SILICON RUBBER REMOVAL		
Ardrox 2204	Solvent based used by immersion at ambient temperature. Used as supplied	22.5 L
HOT END CLEANING & DESCALING		
Ardrox 185	Alkaline Rust and Scale Remover, safe on high strength steels. used between 60-300g/l depending on the component being cleaned. Heated up to 88°C.	20 KG 200 KG
Ardrox 188	Heat Scale and Carbon Removing Aid. Used heated to 95-100°C at a concentration of 160 g/L.	20 KG 200 KG
Ardrox 1873A	Acidic Descaler specifically developed for descaling high chrome steels, stainless steels, nickel and cobalt alloys used in gas turbine engines. Used diluted 20-25% with water at temperatures between 80-85°C	20 L 200 L
Ardrox 1218	Inhibited Acid Deruster/ Descaler	20 L 200 L

ARDROX PRODUCT	DESCRIPTION	PACK SIZES
COMPRESSOR WASHING		
Ardrox 6345	Very effective for in-situ cleaning of gas turbine compressors for the removal of accumulated atmospheric impurities and oxidised oil . Use dilute with demineralised water 1 part product to 4 parts water. Wide range of engine manufacturers approvals	20 L 200 L
Ardrox 6367	Alternative to Ardrox 6345 depending on OEM specifications. Wide range of engine manufacturers approvals	20 L 200 L
Ardrox 6375	Compressor washing fluid concentrate, used dilute with demineralised water. Conforms to MIL-PRF 85704C Type II & III	20L 200L
CORROSION PREVENTION		
Ardrox 3961	Water Displacing Short Term Corrosion Preventative. Used as supplied by spray or immersion. DEF STAN 68-10/2.	5 L 20 L 200 L Aerosol
Ardrox 3962	Water Displacing Short Term Corrosion Preventative. Used as supplied by spray or Immersion. DEF STAN 68-11.	20 L 200 L
Ardrox 3705	Water Based Additive to rinse baths which affords excellent short term corrosion inhibition. Diluted 2-6% with water from ambient to 90°C.	20 L
Ardrox 311	Corrosion Preventative Oil for preservation of roller and ball bearings	20 L
Dinitrol/Ardrox AV8	Super penetrating water displacing corrosion inhibiting compound, tack free firm film. MIL-C-16173 D, wide range of OEM approvals.	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 15	Super penetrating water displacing corrosion inhibiting compound, tack free firm film. MIL-C-16173 D, . Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 25	Penetrating and water displacing, al round corrosion inhibiting compound, leaving a soft waxy film. Meets MIL-C-16173D grade 3, AMS 3066. Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol

ARDROX PRODUCT	DESCRIPTION	PACK SIZES
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Corrosion Prevention cont'd

Dinitrol/Ardrox AV 30	Penetrating water displacing corrosion inhibiting compound, leaving a tack free waxy film. Meets MIL-C-16173D, AMS 3077. Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 100D	Thixotropic corrosion inhibiting compound of heavy duty type, leaving firm waxy film. Meets MIL-C-16173, . Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 980	Corrosion inhibiting compound remover. Slightly thixotropic to allow an even build in areas without excessive dripping. AV 980 is neutral and biodegradable	5 L 20 L 200 L Aerosol

PISTON ENGINE

ARDROX PRODUCT	DESCRIPTION	PACK SIZES
DEGREASING AND PRIMARY CLEANING		
Ardrox 607	Heavy Duty Emulsifiable Degreaser Concentrate. Usually used diluted with 6-9 volumes of kerosene	20 L 200 L
Ardrox 610C	Liquid Degreasing Concentrate used diluted with kerosene. Effective at decarbonising oil coolers.	20 L 200 L
Ardrox 6333	Water Based Primary Cleaner. Removes oil, grease and soft carbon. Can be heated up to 75° C and dilute with up to 9 volumes of water. Very effective when used in a spray washing machine or ultrasonic tank.	20 L 200 L
PAINT AND CARBON REMOVAL		
Ardrox 266	Diphase Solvent type stripper for the removal of stoved epoxies and polyurethane paint finishes	20 L 200 L
Ardrox 666	Diphase solvent type decarboniser, quickly and easily removes hard baked on carbon and most paint schemes. Safe on all metals.	20 L 200 L
Ardrox 690	Heavy Duty Paint and Carbon Remover. Used heated to 55-60°C. Safe for use on all metals.	20 L 200 L
Ardrox 2302	Environmentally friendly used heated to 85 °C by Immersion. Effectively removes stoved epoxy and polyurethane paint schemes. An Oil seal reduces the loss of the active solvents. Safe on all metals	20 L 200 L
Ardrox 2320	Environmentally friendly paint and carbon remover. Used heated in a spray washing machine or an air agitated heated tank	20 L 200 L

CORROSION PROTECTION

Ardrox 3961	Water Displacing Short Term Corrosion Preventative. Used as supplied by spray or immersion. DEF STAN 68-10/2.	5 L 20 L 200 L Aerosol
Ardrox 3962	Water Displacing Short Term Corrosion Preventative. Used as supplied by spray or Immersion. DEF STAN 68-11/1 and AMS 3065F.	20 L 200 L
Ardrox 3322	Long Term Transparent Corrosion Preventative. Dries to a hard waxy coating. Conforms to BMS 3-26 Type II.	5 L 20 L 200 L Aerosol
Ardrox 311	Corrosion Preventative Oil for preservation of roller and ball bearings and preservation of internal combustion engines when used as a lubricating oil. DEF STAN 80-34	20 L
Ardrox 3705	Water Based Additive to rinse baths which affords excellent short term corrosion inhibition. Diluted 2-6% with water from ambient to 90°C.	20 L
Dinitrol/Ardrox AV8	Super penetrating water displacing corrosion inhibiting compound, tack free firm film. MIL-C-16173 D, wide range of OEM approvals.	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 15	Super penetrating water displacing corrosion inhibiting compound, tack free firm film. MIL-C-16173 D, . Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 25	Penetrating and water displacing, all round corrosion inhibiting compound, leaving a soft waxy film. Meets MIL-C-16173D grade 3, AMS 3066. Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 30	Penetrating water displacing corrosion inhibiting compound, leaving a tack free waxy film. Meets MIL-C-16173D, AMS 3077. Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 100D	Thixotropic corrosion inhibiting compound of heavy duty type, leaving firm waxy film. Meets MIL-C-16173, . Approved by a wide range of OEM's including Airbus and Boeing	5 L 20 L 200 L Aerosol
Dinitrol/Ardrox AV 980	Corrosion inhibiting compound remover. Slightly thixotropic to allow an even build in areas without excessive dripping. AV 980 is neutral and biodegradable	5 L 20 L 200 L Aerosol