

AEROSPACE INDUSTRY LINE CARD - Cleaners

General Purpose Exterior Cleaners

Product	Application Method	Concn. (% v/v)	Time (mins.)	pH	Form
Ardrox 1900C New, high-performance, heavy duty, thixotropic, alkaline cleaner for exterior and interior cleaning of aircraft and ground handling equipment. Can also be used as a decarboniser for engine and component cleaning.	Spray, Brush/Mop, Immersion	20 - 50	5-10	12.5	Gel
ARDROX 6021 A thickened blend of alkalis, water soluble solvents and surface-active agents; free from phosphates and petroleum solvents. Pleasant smell and easy rinsing leaving a streak and spot free surface.	Spray Brush/Mop	10-20 for spray Brush: full strength	5-10	9.0-10.0	Gel
ARDROX 6085 Heavy duty, exterior cleaning for heavily soiled areas such as smoke stained areas, engine nacelles, underwing flaps, landing gear and wheels/wheel bays. Also a very suitable and effective wipe on/wipe off cleaner and even finds application in the workshops as a convenient alternative to soak tank cleaning processes for dirty parts and carbon removal.	Spray Brush/Mop	10-50	5-10	12.7	Gel
ARDROX 6484 A liquid concentrate consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors. The product does not contain any free caustic substances, chromates, phosphates, nitrates, solvents (including glycol or glycol ether), EDTA or its salts, NTA or its salts.	Spray Brush/Mop	5-20	5-10	11.4 (conc)	Liquid
ARDROX 6485 A gel consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors. The product does not contain any free caustic substances, chromates, phosphates, nitrates, solvents (including glycol or glycol ether), EDTA or its salts, NTA or its salts.	Spray, Brush	20-50	5-10	11.2 (conc.)	Gel

Heavy Duty Exterior Cleaners

Product	Application Method	Concn. (% v/v)	Time (mins.)	pH	Form
Ardrox 1900C New, high-performance, heavy duty, thixotropic, alkaline cleaner for exterior and interior cleaning of aircraft and ground handling equipment. Can also be used as a decarboniser for engine and component cleaning.	Spray, Brush/Mop, Immersion	Full strength	5-10	12.5	Gel
ARDROX 6085 Heavy-duty, exterior cleaning for heavily soiled areas such as smoke stained areas, engine nacelles, underwing flaps, landing gear and wheels/wheel bays. Also a very suitable and effective wipe on/wipe off cleaner and even finds application in the workshops as a convenient alternative to soak tank cleaning processes for dirty parts and carbon removal.	Spray Brush/Mop	Full strength	5-10	12.7	Gel
ARDROX 6484 A liquid concentrate consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors. The product does not contain any free caustic substances, chromates, phosphates, nitrates, solvents (including glycol or glycol ether), EDTA or its salts, NTA or its salts.	Spray Brush/Mop	20	5-10	11.4 (conc)	Liquid

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AEROSPACE INDUSTRY LINE CARD – Cleaners

Heavy Duty Exterior Cleaners - Continued

Product	Application Method	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 6485 A gel consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors. The product does not contain any free caustic substances, chromates, phosphates, nitrates, solvents (including glycol or glycol ether), EDTA or its salts, NTA or its salts.	Spray, Brush	Full strength	5-10	11.2 (conc.)	Gel

Interior Cleaners General Purpose

Product	Application Method	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 1820 Highly effective concentrated liquid detergent cleaner and deodorant used at dilutions of up to 60 parts with water. ARDROX 1820 contains a powerful detergent system that rapidly emulsifies grease.	Spray Brush/Mop	>1.5	5-10	11.9	Liquid
ARDROX 6012 Foam cleaning of painted and unpainted metal surfaces and of vinyl fabrics. Supplied as aerosol.	Aerosol/Wipe	Ready to use	5-10	10.2-10.6	Foam
ARDROX 6076 Based on a blend of natural citrus solvents, emulsifiers and surfactants; this is petroleum solvent free. ARDROX 6076 will remove a wide range of soils including oils, greases, chewing gum, tar, inks, adhesives, tyre marks, decals and soap scum.	Spray Brush/Mop	4, up to full strength	5-10	4.0-6.0	Liquid
ARDROX 6143 A biodegradable liquid cleaner containing a blend of natural citrus solvents, emulsifiers and surfactants for the removal of a wide range of soils including oils, grease, chewing gum, tar, inks, adhesives, decals, tyre marks, rubber residues from wheel bead seats and soap scum.	Spray Brush/Mop Immersion Drain Cleaning	25, up to full strength	1-5	5 (conc.)	Liquid

Dry Wash Cleaners and Polishes

Product	Application Method	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 6017 Cleaning and polishing compound for painted and unpainted surfaces. It can be applied day or night, during periods of high humidity or dew, to wet or dry surfaces with no hazing problems and may be diluted with water. It does not powder or dust. It is easy to apply: simply spray on, wait a few minutes and wipe off with a clean mop, removing soils, oxides and exhaust tracks. It can be used full strength for all landing gear surface cleaning.	Spray Brush/Mop	30 –100	2	N/A	Liquid
ARDROX 6023 Liquid, silicon-free product for painted and unpainted surfaces, easily applicable both manually or by machine; e.g. for indoor cleaning (dry wash). The product was specially formulated for the aircraft industry. It can be used on wet (due to high humidity or dew) or dry surfaces. removes soils, oxides and exhaust tracks. It leaves a high-gloss, highly weather-resistant coating and restores the original lustre of the painted surfaces; it does not powder or dust. The product cleans and protects.	Spray Cloth/Mop	30 - 100	2 minimum	9.4 (conc.)	Liquid

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Transparency Cleaners						
Product	Application Method	Temp. (°C)	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 6077 Mildly alkaline product formulated specifically to safely clean aircraft windows. Blend of surfactants and isopropanol. Wax-free and non-corrosive.	Spray	Ambient	Full Strength	N/A	9.5-10	Liquid
In-Process and Primary Cleaning						
Product	Application Method	Temp. (°C)	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 1900C New, high-performance, heavy duty, thixotropic, alkaline cleaner for exterior and interior cleaning of aircraft and ground handling equipment. Can also be used as a decarboniser for engine and component cleaning.	Spray, Brush/Mop, Immersion	Ambient to 60	10 - 50	10 - 30	12.5	Gel
ARDROX 6085 Heavy duty, exterior cleaning for heavily soiled areas such as smoke stained areas, engine nacelles, underwing flaps, landing gear and wheels/wheel bays. Also a very suitable and effective wipe on/wipe off cleaner and even finds application in the workshops as a convenient alternative to soak tank cleaning processes for dirty parts and carbon removal.	Spray Brush/Mop	Ambient to 65	10-50	10-30	12.7	Gel
ARDROX 6333A Removal of oil, grease and soft carbon deposits in spray washing machine applications. Low foaming at elevated operating temperatures. Other uses include engine and component cleaning by immersion and general hard surface cleaning.	Spray	40-70	2-10	15	> 12 (conc.)	Liquid
ARDROX 6376 Silicated, mildly alkaline, low-foaming, multi-metal safe cleaner.	Immersion	40-70	20	As specified	11.5-12.5 (conc.)	Liquid
ARDROX 6471 A heavy-duty, liquid cleaner formulated to remove difficult soils in agitated parts cleaning tanks. It will remove heavy oils, grease, cosmoline, and other production soils. Because it is inhibited, it can be used to clean aluminium alloys.	Immersion	40-70	8-12	15-30	12.5-13.3	Liquid
ARDROX 6475 A concentrated liquid aqueous alkali cleaner. Used by immersion for the removal of oil, grease and soft carbon deposits. Contains biodegradable surfactants.	Immersion	55-65	15-25	15-30	12.0	Liquid
ARDROX 6484 A liquid concentrate consisting of biodegradable surfactants, alkaline additives and corrosion inhibitors. The product does not contain any free caustic substances, chromates, phosphates, nitrates, solvents (including glycol or glycol ether), EDTA or its salts, NTA or its salts.	Spray Brush/Mop	Ambient	5-20	5-10	11.4 (conc)	Liquid

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Gas Path Cleaners

Product	Application Method	Temp. (°C)	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 6367 In-situ washing of the compressor stages of gas turbine engines for removal of accumulated atmospheric impurities, oil and oil oxidation products that occur in these areas. It is suited for both hot-fired and off-line washes.	Spray	Ambient	20	As spec. by engine mfr.	7.7	Liquid
ARDROX 6375 A blend of detergents and emulsifiers, for removing atmospheric soils, oils, carbon and salt deposits during "in-situ" hot-fired and cold motor washes. It safe on all aircraft metals, plastics, windows, etc.	Spray	Ambient	20	As spec. by engine mfr.	9.0-9.5	Liquid
ARDROX 6377 A liquid alkaline product formulated to clean the compressor sections of gas turbine engines. A blend of detergents and emulsifiers, it removes atmospheric soils, oils, carbon, and salt deposits during "in-situ" hot-fired and cold motor washes. Safe on all turbine metals, non-flammable and biodegradable. If demineralized water is not available, then use the ready to use formula ARDROX 6377 RFU.	Spray	Ambient	20	As spec. by engine mfr.	7.5-8.5	Liquid

Carbon and Paint Removers

Product	Application Method	Temp. (°C)	Concn. (%)	Time (mins.)	pH	Form
ARDROX 1618 Cleaning of ferrous parts of engines, which have become heavily contaminated in service. It will remove carbon, paint, rust and lead deposits.	Immersion	80-90	25	15-30	>14	Liquid
Ardrox 1900C New, high-performance, heavy duty, thixotropic, alkaline cleaner for exterior and interior cleaning of aircraft and ground handling equipment. Can also be used as a decarboniser for engine and component cleaning.	Spray, Brush/Mop, Immersion	Ambient to 60	10-50	10-30	12.5	Gel
ARDROX 2320 (A & B) A di-phase aqueous blend of solvents, activators and corrosion inhibitor for removing a variety of organic finishes.	Immersion Spray	Up to 55	10 A & 5 B in demin. water	240 max	12.0-12.5	Liquid
ARDROX 2302 Removal of a wide range of paint schemes including stoved acrylics, epoxies, polyurethanes and phenolics. It will also remove carbon or carbonaceous deposits, polymerised gum and lacquer deposits.	Immersion	80-100	Ready to use	240 max	N/A	Liquid, diphas
ARDROX 2410B Removal of carbonaceous deposits from aircraft exteriors and thrust reversers. Thixotropic, water washable. No petroleum distillates or chlorinated solvents.	Spray Brush/Mop	Ambient	Ready to use	15-60	12.0- 13.0	Gel

Rust and Paint Removers

Product	Application Methods	Solvent	Form	Concn. (%)	Temp. (°C)
ARDROX 185 Strongly alkaline, sequestrant containing water-soluble powder. On dilution it is excellent in removing rust from iron and steel, as well as removing oil, grease and some air-dried paints. Does not cause hydrogen embrittlement of ferrous based alloys and reduces the tendency for rerusting compared to conventional acid pickling techniques.	Immersion	n.a.	Powder	10-30 (wt/wt)	80-85

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Rust and Paint Removers - Continued

Product	Application Methods	Solvent	Form	Concn. (%)	Temp. (°C)
ARDROX 185L A water miscible strongly alkaline solution containing sequestrants. Primarily intended for the removal of rust from iron and steel but also capable of removing oil, grease and some air-dried paints. Will not cause hydrogen embrittlement of high tensile steels and reduces the tendency for rerusting compared to conventional acid pickling techniques.	Immersion	n.a.	Liquid	25-50 (v/v)	80-85
ARDROX 1618 A caustic alkali concentrated mixture of sequestrants and surfactants. Particularly effective in cleaning ferrous internal combustion engine components that are heavily contaminated in service, e.g. valves, cylinder heads. It removes carbon, paint, rust and lead deposits and is also used to decarbonise other items such as rubber moulds.	Immersion	n.a.	Liquid	25% (v/v)	80-90

Exhaust and Thrust Reverser Cleaners

Product	Application Method	Temp. (°C)	Concn. (%)	Time (mins.)	pH	Form
Ardrox 1900C New, high-performance, heavy duty, thixotropic, alkaline cleaner for exterior and interior cleaning of aircraft and ground handling equipment. Can also be used as a decarboniser for engine and component cleaning.	Spray, Brush/Mop, Immersion	Ambient to 60	5 -10 Interiors 20 - 50 Exteriors	5-10	12.5	Gel
ARDROX 2410B Removal of carbonaceous deposits from aircraft exteriors and thrust reversers. Thixotropic, water washable. No petroleum distillates or chlorinated solvents.	Spray Brush/Mop	Ambient	Ready to use	15-60	12.0- 13.0	Gel

Solvent Cleaners

Product	Application Method	Temp. (°C)	Concn (%)	Density (g/ml)	Flash-Point (°C)	Form
ARDROX 5502 General solvent cleaner for oils and grease leaving the surface in a dry condition.	Spray Brush/Mop	Ambient	Ready to use	0.78	41	Liquid
ARDROX 5503 General solvent cleaner for oils and grease leaving the surface in a dry condition.	Spray Brush/Mop	Ambient	Ready to use	0.79	63	Liquid
ARDROX 5504 General solvent cleaner for oils and grease leaving the surface in a dry condition, high flashpoint.	Spray Brush/Mop	Ambient	Ready to use	0.75 - 0.78	108	Liquid
ARDROX 5529 A blend of solvents used to clean paint spray guns and adhesive application equipment. Also removes oils, grease and release agents.	Brush/Mop Immersion	Ambient	Ready to use	0.80	-9	Liquid
ARDROX PR1 Clear, water soluble, non-chlorinated, mobile solvent. A general solvent cleaner used for the removal of oils, grease and dirt.	Spray Brush/Mop	Ambient	Ready to use	0.78	12	Liquid
ARDROX 9PR70 A solvent cleaner used for the removal of oils and greases. Halogen free.	Spray, Brush Immersion	Ambient	Ready to use	0.77	56	Liquid

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Wax Remover

Product	Application Method	Temp. (°C)	Concn. (%)	Time (mins.)	Flash-Point (°C)	Form
ARDROX 5414 A blend of solvents and emulsifiers formulated for the removal of "stop-off" wax from plated metal components. It has a high flash point, is used hot and rinses off completely with tap water.	Immersion	> m.pt of the wax	Ready to use	3-10	165	Liquid

Pre-impregnated Wipes

Product	Application Method	Temp. (°C)	Concn (%)	Density (g/ml)	Flash-Point (°C)	Form
ARDROX 3961 Blend of surfactants, corrosion inhibitors and oil in a petroleum-based solvent. Excellent dewatering and penetrating properties. Leaving a thin, oil film on articles, it imparts good indoor corrosion protection. Not recommended for outdoor storage where, e.g. ARDROX 3140 should be used.	Wipe	Ambient	Ready to use	0.80	> 38	Wipe
ARDROX 5531 Impregnated low lint, high strength wipes enabling the application of the optimum amount of product, to prevent wastage of the ARDROX 5531 and minimise VOC levels. This combination is used for the removal of various contaminants such as uncured polysulphide sealant, grease and oils.	Wipe	Ambient	Ready to use	1.03	61	Wipe
ARDROX 5534 Impregnated low lint, high strength wipes enabling the application of the optimum amount of product, to prevent wastage of the ARDROX 5534 and minimise VOC levels. This combination is used for the removal of various contaminants such as uncured polysulphide sealant, grease and oils.	Wipe	Ambient	Ready to use	0.93	59	Wipe
ARDROX 9PR70 Impregnated low lint, high strength wipes enabling the application of the optimum amount of product, to prevent wastage of the ARDROX 9PR70 and minimise VOC levels. General purpose solvent cleaner.	Wipe	Ambient	Ready to use	0.77	56	Wipe

Runway and Stand Cleaner

Product	Application Method	Temp. (°C)	Concn. (% v/v)	Time (mins.)	pH	Form
ARDROX 6324 A neutral, liquid concentrate comprising a blend of surfactants and microbes. The presence of the microbes enhances the breakdown of organic wastes in the effluents generated. Designed for use in automatic floor cleaning/scrubbing equipment. Can also be used for general hard surface cleaning applications.	Automatic Unit Brush/Swab	Ambient	0.5-2	1-10	8 - 9	Liquid

Silicone Rubber Removers

Product	Application Method	Temp. (°C)	Concn. (%)	Time (mins.)	pH	Form
ARDROX 2312 Rapid removal of silicone and other bonding rubbers and abradable rubber coatings. The product contains non-chlorinated solvents but is water washable. Immersion application at ambient temperature. Methylene chloride free.	Immersion	Ambient	Ready to use	30-300	N/A	Liquid

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