



The Chemical Company

Compounded Lubricants Product Catalogue



Compounded Lubricants for Industrial Applications

Lubricant	VG	Base Fluid	Applications	Features & Benefits
INDUSTRIAL GEAR OILS				
Emgard® R&O	150-680	PAO	R&O / Circulating Oil	General industrial - extended drain, antiwear, heat reduction, durability, equipment life, high temp capable
Emgard® EP	320-680	PAO	Mine Haul Trucks	Mine haul trucks - GE/GA wheel motor approval, EP protection, heat reduction, durability, equipment life
Emgard® IND EP	150-680	PAO	Extreme Pressure Industrial Gear	General industrial - extended drain, EP protection, heat reduction, durability, equipment life
Plurasafe® GL PLus	68-1000	PAG	Extreme Pressure Industrial Gear	Micropitting resistance, high load capacity, high thermal stability, extended drain intervals, high viscosity index, heat reduction, durability, equipment life
Plurasafe® GL WI	150-680	PAG	Marine, Paper Wet End	Water insoluble, high load capacity, high thermal stability, extended drain intervals, high viscosity index, heat reduction, durability, equipment life
Plurasafe® GL FG	150-1000	PAG	Food Processing	H1 approved, micropitting resistance, load carrying capacity, long life, heat reduction, equipment durability
COMPRESSOR OILS				
Emgard® 2100, 2150	100-150	Ester	Air and Refinery Compressors	Refinery and hydrogen compressors, high temperature, cleanliness, equipment durability, catalyst compatibility
Emgard® 2000	32-68	Ester	Air Compressors & Vacuum Pumps	General industrial, rotary/reciprocating compressors, high temperature, cleanliness, equipment durability
Emgard® 3000	32-68	PAO	Air Compressors	General industrial, rotary/reciprocating compressors, equipment durability, seal and paint compatibility
Emgard® 4000	32-68	PAO	Air Compressors	Longer drain interval, rotary compressors, good demulsibility, seal and paint compatibility
Plurasafe® CL Gas 9	186	PAG	Hydrocarbon & Inert Gas Compressors	Long life, improved efficiency, heat reduction, cleanliness, equipment durability
Plurasafe® CL HC 1400	270	PAG	Ethylene Hypercompressors	Long life, improved efficiency, heat reduction, cleanliness, equipment durability, very high pressures
Plurasafe® CL Air	32-46	PAG	Industrial Air Compressors	Very low sludge or deposit build-up, excellent lubricity
Plurasafe® RL Auto	46-150	PAG	Automotive A/C Compressors	Excellent performance with HFCs and CO2
Proeco® HAB 05	5	LAB	Refrigeration	Thermal stable, good miscibility with HC type of refrigerant
Proeco® RF	7-74	Ester	Refrigeration and A/C Compressors	Hydrolytic stability, good miscibility with refrigerants, thermal stability
BIO-HYDRAULIC FLUIDS				
Proeco® 501	22-68	Ester	Locks, Forestry	Biodegradability, environmentally friendly, high performance pump, EU Ecolabel
Proeco® 801	22-68	Ester	Heavy Duty Mobile Equipment	Biodegradability, environmentally friendly, high performance pump, long life, EU Ecolabel
Plurasafe® Xtreme		PAG	High Volume Manufacturing	Minimizes leaks in low pressure applications, does not support bacterial growth
Plurasafe® EnBio TC® S	46	PAG	Lawn Care	Readily biodegradable, proven in lawn care, turf management, golf course applications to not damage or discolor grass
Plurasafe® H2O-K™		PAG	Below Deck Marine	Readily biodegradable, leaves no sheen on water, low aquatic toxicity
Plurasafe® WGF 46 5K	46	PAG	Above Deck Marine	Proven performance in 5,000psi pressure applications, leaves no sheen on water
FIRE-RESISTANT HYDRAULIC FLUIDS				
Plurasafe® HL-HFC 46-2180	46	PAG+Water	Fire Resistance Hydraulics System	Applied in metal industry, contains 36% of free water, excellent lubricity
Plurasafe® HL-HFC 46-2181	46	PAG+Water	Fire Resistance Hydraulics System	Coal mining industry, contains 43% of free water, excellent lubricity and better safe margin
Plurasafe® WGF 200 E		PAG	Metal Forming Industries	FM approved, Viscosity = 200 Cst @100F
Plurasafe® WGF 46 FG	46	PAG	Food Processing	FM approved, USDA / NSF H-1 registration
BREAK COATING FLUID (BCF)				
Plurasafe® BCF 7, 11	65-250	PAG	Automotive Brake System	Good anti-corrosion property, fully compatible with break fluid, one fluid for assemble and testing
GAS TURBINE LUBRICANTS				
Emgard® 2948	46	PAO	Stationary Turbine Applications	Longer life, wide service temperature, equipment durability, seal and paint compatibility
Emgard® 2949	23	Ester	Mil PRF 23699 Turbine Applications	Longer life, wide service temperature, high temperature, military approvals, cleanliness, equipment durability
HIGH TEMP CHAIN LUBRICANTS				
Emgard® 5220	220	Ester	High Temperature Chains & Bearings	High temperature, excellent heat management, low volatility, ashless, cleanliness
Emgard® 5320	320	Ester	High Temperature Chains & Bearings	High temperature, excellent heat management, enhanced cleanliness and penetration

Compounded Lubricants for Transportation Applications

Lubricant	Base Fluid	Application	Features & Benefits
NAFTA EQUIPMENT			
Emgard® 2805 ATF (NAFTA only)	PAO-Ester	Automatic Transmission - Truck	Allison transmission (TES 295 Approval) warranty, heat reduction, durability
Emgard® EP 75W-90	PAO-Ester	Axle - Truck	Max drain interval, OEM approvals: ArvinMeritor, Dana, Mack, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® EP 80W-140	PAO-Ester	Axle - Truck	Vocational, OEM approvals: ArvinMeritor, Dana, Mack, severe duty, heat management, extended drain, durability, warranty
Emgard® FE 75W-90 (Fuel Efficient)	PAO-Ester	Axle - Truck	Fuel efficient, max drain, OEM approvals: ArvinMeritor, Dana, Mack, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® HP 75W-90	Partial Syn	TDL - Truck (not Eaton)	Excellent wear and pitting protection for long equipment life, Approvals: SAE J2360, Shaes 256 Rev C, Shaes 429 Rev A, Meritor 076, MACK GO-J
Emgard® L/S 2989	PAO-Ester	L/S Drive Axle - Class 1-5	Limited slip applications, heat reduction, durability, equipment life, lower gear wear
Emgard® SAE 50	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Eaton PS164 Rev 7, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
EUROPE EQUIPMENT			
Emgard® 4200/4230	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Volvo, Daimler, Voith, MAN, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® 4209	PAO-Ester	Axle - Truck	Max drain interval, OEM approvals: Scania, Volvo, MAN
Emgard® 4210 (75W-110)	Synthetic	Axle - Truck	Improved gear protection against scuffing, pitting and micro-pitting, approvals: Scania STO 2:0, SAE J2360
Emgard® 4250 (SAE 50)	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Volvo, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® HP 75W-90	Partial Syn	TDL - Truck (not Eaton)	Excellent wear and pitting protection for long equipment life, approvals: SAE J2360, Shaes 256 Rev C, Shaes 429 Rev A, Meritor 076, MACK GO-J
Emgard® RWA - Railway	PAO-Ester	Axle Gear - Railway	Severe service, OEM approvals: Flender, Voith, ZF, warranty, heat reduction, durability
ASIA EQUIPMENT			
Emgard® 4210 (75W-110)	Synthetic	TDL - Truck	Improved gear protection against scuffing, pitting and micro-pitting, approvals: Scania STO 2:0, SAE J2360
Emgard® EP 75W-90	PAO-Ester	TDL - Truck	Max drain interval, OEM approvals: ArvinMeritor, Dana, Mack, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® 80W-140	PAO-Ester	TDL - Truck	Vocational, OEM approvals: ArvinMeritor, Dana, Mack, severe duty, heat management, extended drain, durability, warranty
Emgard® FE 75W-90 (Fuel Efficient)	PAO-Ester	TDL - Truck	Fuel efficient, max drain, OEM approvals: ArvinMeritor, Dana, Mack, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® HP 75W-90	Partial Syn	TDL - Truck (not Eaton)	Excellent wear and pitting protection for long equipment life, approvals: SAE J2360, Shaes 256 Rev C, Shaes 429 Rev A, Meritor 076, MACK GO-J
Emgard® PCA 75W-85	Partial Syn	Passenger Car Rear Axle	Fuel efficient, extended drain, better cold start - up and gear protection
Emgard® RWA - Railway	PAO-Ester	Axle Gear - Railway	Severe service, OEM approvals: Flender, Voith, ZF, warranty, heat reduction, durability
Emgard® SAE 50	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Eaton PS164 Rev 7, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® 4200/4230	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Volvo, Daimler, Voith, MAN, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty
Emgard® 4250 (SAE 50)	PAO-Ester	Manual Transmission - Truck	Max drain interval, OEM approvals: Volvo, sustainability (Fuel Eco/Waste), heat reduction, durability, equipment up time, warranty



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