

# CHEMICALS FOR AVIATION & ARMED FORCES UNDER U.S. MILITARY SPECIFICATIONS (MIL)



**eurochem<sup>®</sup>**

aviation, marine and industrial chemicals





*EUROCHEM S.A. is a certified company with over 30 years of experience in cleaning and maintenance products for the field of aviation (both civil and military) as well as the armed forces.*

*Our product range includes but is not limited to, interior and exterior cleaners of aircraft surfaces, paint removers (liquid and paste), carbon removers, solvent cleaners, corrosion removers, aircraft cleaners, chromate conversion coatings and generally all products for maintenance in the Aviation field.*

*By focusing on today's dynamic world of specialty chemicals, research is at the heart of our activities in order to combine harmoniously the development of the most expertise solutions for our customers with trust and reliability dealing with the most demanding specifications. Most of our products are manufactured under U.S. Military Specifications, AMS or Boeing Doc, etc.*

*Our products are sold worldwide.*

*Our company is dedicated to providing cutting-edge technology products and services making EUROCHEM S.A. the indisputable choice!*



BASIC CATEGORIES & COMMON PRODUCTS

INTERIOR & EXTERIOR  
AIRCRAFT SURFACE  
CLEANERS

K-KLEEN-37	MIL-PRF-87937 TYPE IV	Exterior aircraft surface cleaner
K-KLEEN-937	MIL-PRF-87937 TYPE I	Heavy duty exterior aircraft surface cleaner, terpene based (D-Limonene)
KLEENOL 2000 PRO	MIL-PRF-85570 TYPE I	Heavy duty exterior aircraft surface cleaner
EC-201 (QPL product)	MIL-C-43616 & A-A 59921	Heavy duty solvent based emulsion cleaner for exterior aircraft surfaces
KEM-KLEEN-68	AMS-1550	Interior cleaner
DEODORANT CONCENTRATED	D6-17487	Deodorant concentrated aircraft toilet disinfectant / deodorizer

PAINT REMOVERS  
VISCOUS

K-2015 AP (acid activated phenolic)	MIL-R-81903A Class 1	Viscous highly effective for polyurethane epoxy paints & other difficult coatings
K-2015 NP (acid activated non phenolic)	MIL-R-81903A Class 2	Viscous paint stripper for aircraft exterior application
PR-2025 (neutral phenolic)	MIL-R-81294 Class 1	Viscous neutral paint stripper, for aircraft exterior application
PR-2094 (ammonia activated non phenolic)	MIL-R-81294 D Class 2	Non phenolic viscous, ammonia activated paint stripper, for aircraft exterior application

TANK-TYPE PAINT &  
CARBON REMOVERS

S-5055 (phenolic)	MIL-R-83936-A	Diphase solvent-base alkaline cold-tank paint & carbon remover.
S-5055-HD (non phenolic)	MIL-PRF-83936-C	Hot alkaline diphase paint stripper for tank applications.
CARB-OVER-154 (phenolic) (QPL product)	SAE-AMS-19853 & MIL-R-83936 A	Diphase solvent-base alkaline cold-tank carbon & paint remover.

SOLVENT CLEANERS

SOLVENT 680 TYPE II (environmentally friendly) (QPL product)	MIL-PRF-680 TYPE II & A-A 59601E TYPE II	Degreasing-solvent
NAPHTHA	TT-N-95B	Solvent - cleaner
KEM-SOLVE-2475	D6-17487	Cleaner-Solvent, removes paint residues stripping
ISOPROPYL ALCOHOL	TT-I-735 A	Solvent - cleaner
MEK	ASTM-D-740	Solvent - cleaner

GAS TURBINE  
COMPRESSOR CLEANERS

K-310	MIL-C-85704 TYPE I	Concentrated hydrocarbon based emulsion cleaner
K-320	MIL-C-85704 TYPE II & TYPE III	Concentrated water based cleaner



# MATERIALS CONFORMING TO U.S. SPECIFICATIONS MILITARY SPECIFICATIONS

*This list is indicative and does not cover our full product range. For more information, please contact us.*

SPECIFICATION NUMBER	EUROCHEM PRODUCT	DESCRIPTION
MIL-PRF-680C Type I Type II Type III Type IV	SOLVENT-680 SOLVENT-680 TYPE I SOLVENT-680 TYPE II (QPL product) SOLVENT-680 TYPE III SOLVENT-680 TYPE IV	Dry cleaning and degreasing solvents. Low flash point High flash point Very high flash point High flash point with citrus odor
MIL-B-3242 B & MIL-DTL-32594	KEM-B.T.	Boiler Compound, Navy
MIL-C-5410 B Type I Type II	M – 2220 M – 2240	Cleaning Compound, Aluminum Surface, Non flammable - Sustaining
MIL-DTL-5541 F	KEMCOT (Powder & Liquid)	Chemical conversion coatings on Aluminum and Aluminum alloys.
MIL-C-5543 A & P-C-437B	M – 2285	Cleaning Compound, Washing Machine, Aircraft Metal Parts.
MIL-C-6864 F	M – 2266	Cleaning Compound, Solvent, Oil Cooler.
MIL-PRF-7024 G TYPE II	CALIBRATING FLUID 7024 TYPE II	Calibrating Fluid- Aircraft fuel system components
MIL-R-8633 A & TT-R-248 B	S – 2047	Remover , Paint, Non-Flammable.
MIL-C-10578 D  Type I Type II Type III Type IV Type V	RR - 2333 RR – 2381 RR – 2360 RR - 2355 RR – 2359	Corrosion Removing and Metal Conditioning Compounds (Phosphoric Acid Base). Wash off. Wipe off. Inhibited. Non foaming. Immersion tank.
MIL-PRF-11090 K	KEM - O.R.	Cleaning Compound, Degreasing and Depreserving Solvent, Self-Emulsifying.
MIL-T-12879 A Type I class 1	PHOSPHAT - Z 101	Treatment, Chemical, Prepaint and Corrosion Inhibitive for Zinc Surfaces.
MIL-DTL-13924 F Class I	KEM – BLACK	Coating, Oxide, Black, for Ferrous Metals.
MIL-C-14460 C Type I & A-A 59260	CR – 2001	Corrosion Removing Compound, Sodium Hydroxide Base, for Electrolytic or Immersion Application.
MIL-PRF-16173 E Grade 1 Grade 2 Grade 3 Grade 4 Grade 5	CORROSION PREVENTIVE No.1 CORROSION PREVENTIVE No. 2 CORROSION PREVENTIVE No. 3 IS -2006 CORROSION PREVENTIVE No. 5	Corrosion Preventive Compounds, Solvent Cutback, Cold -Application. Hard film. Soft film. Water displacing – Soft film. Transparent, Non-tacky Low pressure, steam removable film.
MIL-DTL-16232 H Type M Type Z	PHOSPHAT – M (for classes 1&2&3&4) PHOSPHAT - Z 101 (for classes 1&2&3&4)	Phosphate Coatings, Heavy, Manganese or Zinc Base (For Ferrous Metals).
MIL – D 16791 G Type I Type II	KLEENOL - 791/I KLEENOL - 791/II	Detergent, general purpose (liquid, nonionic) Water soluble Oil soluble
MIL-C-18718 B & O-C-1889	KEM - SOLVE 2444	Solvent, Safety.
SAE-AMS-C-19853 & MIL-C-19853 D Type I class 2 (phenolic) Type II class 2 (non phenolic)	CARB - OVER 154 (QPL approved) CARB - OVER 154 NP	Carbon Removing Compounds (for use in agitating tank).
MIL-C-22230 B	M – 2260	Cleaning Compound, Fuel Tank and Bilge.
MIL-C-22542 B & AMS-C-22542	M – 2255	Cleaning Compound, High Pressure Cleaner, Liquid
MIL-C-23411 A	see MIL-C-81309	Corrosion Preventive Compounds.
MIL-C-25107 B & AMS-1546	CARB - OVER 115	Carbon Removing Compound, Orthodichlorobenzene for Engine Parts.
MIL-R-25134 C	KEM – 2040	Remover, Paint and Lacquer, Solvent Type.
MIL-I-25135 E & AMS-2644	2008 CRACK DETECTION KIT	Inspection Materials, Penetrants.
MIL-PRF-25567 E	BUBBLE FLUID LEAK DETECTOR	Leak Detector Compound.
MIL-C-25769 J (USAF)	AC – 55	Cleaning Compounds, Aircraft Surface, Alkaline Water Base.
MIL-D-26549 A & MIL-S-23496 C & AMS 1380	M - 2280 – 4	Descaling Compound, Alkaline, Hot Section Jet Engine Parts.
MIL-C-27251 A	KEM - KLEEN 33	Cleaning Compound, Aircraft Surface, Low Temperature.
MIL-PRF-32587	PR-32587 AN	Remover, Paint, HAP free, Neutral.
MIL-PRF-38299 E	SOLVENT - 38299	Fluid purging for preserving fuel tanks of jet aircraft.



SPECIFICATION NUMBER	EUROCHEM PRODUCT	DESCRIPTION
MIL-C-38334 A & AMS 1640 Type I class 1	RR – 2322	Corrosion Removing Compound Prepaint, for Aircraft Aluminum Surfaces.
MIL-C-38736 B & A-A-59281 Type I Type II	KEM - SOLVE 336 KEM - SOLVE 346	Cleaning Compound, Solvent Mixtures (Metric).
MIL-C-43616 C Class 1 & 1A & A-A-59921	EC – 201 (QPL approved)	Cleaning Compound, Aircraft Surface.
MIL-C-6529 C Type I Type II Type III	PROTECTIVE OIL No. 10 PROTECTIVE OIL No. 14 PROTECTIVE OIL No. 16	Corrosion Preventive, Aircraft Engine. Concentrate material. Ready-mixed material for reciprocating A/C engines. Ready – mixed material in accordance with MIL-O-6081.
MIL-R-81294 D Class 1 Class 2 Class 2A	PR – 2025 (phenolic) PR – 2094 (non-phenolic) PR – 2094 NC (non-phenolic/non chromate)	Paint removers for Epoxy, Polysulfide and Polyurethane Systems
MIL-C-81302 D Type II & IIA (spray)	Alternative to MIL-C-81302D KEM - SOLVE 1313	Cleaning, Compound Solvents, for Electronic Parts (Formulated to substitute the product of this specification)
MIL-C-81309 H Type I class 1&2 Type II class 1&2 Type III class 1&2 Type IV class 1&2	PREVENTOL - 11 PREVENTOL - 21 PREVENTOL – 31 PREVENTOL - 41	Corrosion Preventive Compounds, Water Displacing Ultra - Thin Film. Soft film (with mildew inhibitor). Soft film (general purpose grade). Soft film (avionic grade). Advanced Corrosion Protective Compound
MIL-DTL-81706 B	KEMCOT (Powder & Liquid)	Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys.
MIL-R-81903 A Class 1 Class 2	K - 2015 AP (phenolic) K - 2015 NP (non-phenolic)	Paint Removers, Acid Activated, for Amine - Cured Epoxy Coating Systems.
MIL-R-83936 A (USAF)	CARB OVER - 154 (phenolic) Cold application	Paint Removers, Tank Types for Aircraft Wheels, Landing Gear Components and Other Aircraft and Age Components (cold application)
MIL-PRF-83936 C (USAF)	S – 5055 HD S – 5055 HD (LOW V.O.C.)	Paint Removers, Tank Types for Aircraft Wheels, Landing Gear Components and other Aircraft and Age Components (hot application)
MIL-PRF-85570 E Type I & I A Type II Type III Type IV Type V	KLEENOL-2000-PRO KLEENOL-2020-PRO KLEENOL-2030-PRO KLEENOL-2040-PRO KLEENOL-2050-PRO	Cleaning compounds, Aircraft exterior. General purpose aromatic solvent based. General purpose non solvent. Abrasive spot cleaner. Rubberized spot cleaner Gel type wheel well degreaser.
MIL-C-85704 C Type I Type II & III	K – 310 K – 320	Cleaning compounds turbine engine gas path. Solvent based. Water based.
MIL-C-87936 B (USAF) Type I	KEM KLEEN-37	Cleaning Compounds, Aircraft Exterior, Surfaces Water dilutable.
MIL-PRF-87937 E Type I Type II & IV Type III	KEM KLEEN-937 KEM KLEEN-37 KEM KLEEN-8737	Cleaning Compounds, Aerospace equipment Terpen based water dilutable cleaning compound. Water dilutable cleaning compound. Gel type cleaning compound.
<b>FEDERAL SPECIFICATIONS &amp; SAE AEROSPACE MATERIAL SPECIFICATIONS (AMS)</b>		
AMS-1550	KEM-KLEEN-68	Cleaner, Water base, Aircraft interior
AMS 1379 & 1380	CR – 2001 CR – 2001 L	Scale Conditioner, Alkaline Aircraft Turbine Engine Components
ASTM-D-740	MEK	Solvent - cleaner
O-C-1889	KEM - SOLVE 2444	Cleaning Compound, Safety Solvent.
P-C-111 D Type II	CARB - OVER 166	Carbon Removing Compound.
P-C-436 E	KEM - KLEEN 41	Cleaning Compound Alkali Boiling Vat (Soak) or Hydrosteam.
P-C-437 B Type I	M - 2288	Cleaning Compound, High pressure (steam) Cleaner.
P-D-680 Replaced by MIL-PRF-680C	SOLVENT-680 TYPE I, II, III & IV (TYPE II is QPL approved)	Dry Cleaning and Degreasing Solvent.
TT-C-490 C	KEM - SOLVE 2450 & R.R - 2333 PHOSPHAT - Z 101 & PHOSPHAT - F	Cleaning Methods for Ferrous Surfaces and Treatments for Organic Coatings Solvents
TT-I-735 A	ISOPROPYL ALCOHOL	Solvent - cleaner
TT-R-248 B	S - 2099	Paint Removers, and Lacquer, Solvent Type
TT-R-251 H	S – 2043 & S - 2011	Paint Removers, (Organic Solvent Type).
TT-R-2918	PR-2918 AN	Remover, paint, no hazardous air pollutants (HAPS)
TT-N-95	NAPHTHA	Solvent - cleaner

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