



Guide to MIL-Spec and NSN Lubricants

Please note that U.S. Department of Commerce Export Administration Regulations and U.S. Department of State International Traffic in Arms Regulations (ITAR; 22 CFR 120-130) restrict the export of certain Nye products. An export license may be required.

Military Specifications

Mil-Spec	Product	Applications	Chemistry	Temp. Range (°C)
MIL-DTL-53131A	Nye Synthetic Oils 132, 182, 176A, 186 & 179A	Oils for precision rolling element bearings	PAO Oil	-30 to 125
MIL-PRF-32014A	Rheolube® 374A	Grease for high-speed bearings in aircraft and missile systems. Aircraft landing gear.	PAO, Lithium Soap	-54 to 177
MIL-PRF-27617F	UniFlor™ 8172MT	Grease for aircraft and instruments; fuel & oxidizer resistant. Meets Type III specification.	PFPE, PTFE	-45 to 225
MIL-PRF-27617F	UniFlor™ 8961MT	Grease for aircraft and instruments; fuel & oxidizer resistant. Meets Type IV specification.	PFPE, PTFE	-80 to 200

NSN	Packaging	Product	Applications	Chemistry	Temp. Range (°C)
9150-01-499-6634 9150-01-499-6642 9150-01-499-6647 9150-01-499-6648 9150-01-499-6650 9150-01-530-6380	35-lb pail 6.5-lb pail 1.75-lb jar 4-oz tube 2-oz tube 14-oz fiber cartridge	Rheolube® 374A	Grease for aircraft landing gear, high-speed bearings	PAO, Lithium	-54 to 177
9150-01-353-5788 9150-01-393-1749	1-lb jar 2-oz tube	UniFlor™ 8961MT	Grease for aircraft & instruments	PFPE, PTFE	-80 to 200
9150-01-472-7130 9150-01-472-7163	1.75-lb cartridge 1-lb jar	UniFlor™ 8991MT	Grease for bearings, gears, actuators	PFPE, PTFE	-60 to 250
9150-01-366-4171	1-qt bottle	Nye Synthetic Oil 608	Oil for gear trains	Ester	-40 to 150
9150-01-381-0729	8-oz tube	Rheolube® 368	Grease for sliding surfaces, switch gear, bearings, gear trains	PAO, Lithium Soap	-40 to 125
9150-01-116-8168	1-lb jar	Rheolube® 723F6	Grease for timing motors, metal or plastic gears	PAO, Lithium Soap PTFE	-40 to 125
9150-01-310-3375	-	Rheolube® 723MS	Grease intended for bearings, sliding surfaces, gear trains, switchgear	PAO, Lithium Soap	-54 to 125
9150-01-035-9141	14-oz plastic cartridge	Rheolube® 368HX	Electrically conductive grease for lightly loaded bearings	PAO, Lithium Soap	-40 to 125
9150-01-186-4008	1-lb jar	Rheolube® 791B	Grease for gear trains	Ester, Lithium Soap	-40 to 150
9150-01-596-3940	100-gr tube	NyoGel® 760G	Grease for connectors	PAO, Silica	-40 to 135
9150-01-571-5282	500-gr jar	Nye Instrument Grease AND786	Grease for bearings, slides, cams, gears and similar applications	Diester, Clay thickened	-20 to 150



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Nye Lubricants is a leader in the innovation, formulation and provision of synthetic lubricants, enabling and improving breakthrough products and critical new technologies. We bring proven experience, deep technical knowledge and customer focus to solve our customers' toughest challenges, adding tangible value to products in a wide range of industries and applications.

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