

# NYEMED® 7471

MULTI-PURPOSE FLUID



## PRODUCT OVERVIEW

A completely fluorinated, inert **fluid**, exhibiting low solubility in most materials and liquids commonly used in the medical industry.

## CHARACTERISTICS

- Superb resistance to oxidation and chemicals
- Excellent moisture resistance
- Very wide temperature range (-50 to 250°C)
- Clear and colorless
- Does not swell most plastics and elastomers

## PROPERTIES

Base Fluid Properties	Typical Value	Test Method
Type	Perfluoropolyether (PFPE)	
Flash Point	Non-Flammable	ASTM D-92
Base Fluid	25°C	840
Apparent Viscosity (cP)	45°C	476
		Nye CTM

Product Properties	Typical Value	Test Method
Color/Appearance	Clear, Colorless	Visual
Apparent Viscosity (cP)	25°C, 50/s shear rate	N/A
		Nye CTM
Density (g/cm <sup>3</sup> )	25°C	1.83
		Nye CTM
Oil Separation	24 hrs, 100°C	N/A
		ASTM D-6184
Evaporation	24 hrs, 100°C	0.01%
		Nye CTM

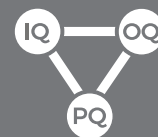
*Typical Values are not indicative of a specification.*



CONCEPT TO POST PRODUCTION SUPPORT



CUSTOM FORMULATION



FULL QUALIFICATION



DESIGN HISTORY FILES



CHANGE CONTROL CHANGE NOTIFICATION



ISO CERTIFICATION

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## BIOCOMPATIBILITY

Test	Standard	Result	Meaning
Cytotoxicity L929 Agar Diffusion (Direct Contact)	ISO 10993-5	Grade 0	No Cellular Reactivity
Skin Irritation (Direct Contact)	ISO 10993-10	Primary Irritation Index 0.0	Negligible Irritant
Acute Systemic Toxicity (Direct Injection)	ISO 10993-11	Negative	Pass

## ISO 13485:2016 CERTIFIED

Nye Lubricants operates a Quality Management System that complies with the requirements of ISO 13485:2016. Our process controls, documentation, and quality standards meet or exceed all requirements for the design, manufacture, and distribution of synthetic lubricants for medical devices.



ISO 9001: 2015  
IATF 16949: 2016  
ISO 14001: 2015  
ISO 13485: 2016  
AS 9001D

## PRODUCT PACKAGING

Packaging Type	Package Code	Volume (cc)	Weight (g)	Package Description
Bottle	30ML	30	55	HDPE bottle and cap.
Bottle	60ML	60	110	HDPE bottle and cap.
Bottle	500ML	500	915	HDPE bottle and cap.



**Nye Lubricants, Inc.**

12 Howland Road Fairhaven, MA 02719 USA

Ph: +1.508.996.6721

Email: [contact@nyelubricants.com](mailto:contact@nyelubricants.com)

