

# CHEMICAL PRODUCT SAFETY DATA SHEET

Prepared in accordance with GB/T 16483 and GB/T 17519.



Product name: NYOGEL 744F-MS

Issue date: May-05-2011  
Revision date: September-10-2024  
Version #: 10  
SDS No: NYOGEL 744F-MS

## SECTION 1 Chemical product and company identification

<b>Product Name</b>	<b>NYOGEL 744F-MS</b>		
<b>Product Code</b>	NYOGEL 744F-MS		
<b>Manufacturer/Supplier</b>	Nye Lubricants, Inc. A Member of the FUCHS Group		
<b>Address</b>	12 Howland Road Fairhaven, MA 02719 United States		
<b>Contact person</b>	Not available.		
<b>Telephone</b>	+1-508-996-6721		
<b>e-mail</b>	sds@fuchs.com		
<b>Emergency telephone number</b>	Americas	+1 760 476 3961	
	Europe	+1 760 476 3962	
	Asia Pacific	+1 760 476 3960	
	Access code	334212	

### Recommended use and Limitations on use

<b>Recommended use</b>	Lubricating Grease
<b>Issue date</b>	May-05-2011
<b>Revision date</b>	September-10-2024
<b>Supersedes date</b>	February-22-2024

## SECTION 2 Hazards identification

<b>Emergency overview</b>	May cause an allergic skin reaction.
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### GHS hazard categories

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Not classified.	

### Label elements

#### Pictograms



<b>Signal word</b>	Warning
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#### Hazard statement

H317	May cause an allergic skin reaction.
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### Precautionary statement

#### Prevention

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves.

#### Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.

#### Safety storage

	Store away from incompatible materials.
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#### Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Physical and chemical hazards	The product is stable and non-reactive under normal conditions of use, storage and transport. No unusual fire or explosion hazards noted.
Health hazards	Prolonged inhalation may be harmful. May cause an allergic skin reaction. Expected to be a low ingestion hazard. Direct contact with eyes may cause temporary irritation.
Environmental hazards	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Supplemental information	None.

SECTION 3 Composition/information on ingredients

Substance/mixture	Mixture	
Chemical name	Concentration (%)	CAS Number
二硫化钼 MOLYBDENUM DISULFIDE	3 - < 5	1317-33-5
聚丙二醇单丁醚 POLYPROPYLENE GLYCOL MONOBUTYLETHER	1 - < 3	9003-13-8
2,5-呋喃二酮, 二氢-3-(十八烯基)- 2,5-FURANDIONE, DIHYDRO-3-(OCTADECENYL)-	< 1	28777-98-2
加氢石油重烷烃馏分 PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC	< 1	64742-54-7
Other components below reportable levels	90 - 100	

SECTION 4 First aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms and health effects	May cause an allergic skin reaction. Dermatitis. Rash.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
Notes to physician	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5 Fire-fighting measures

Extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Extinguishing media to avoid	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards	During fire, gases hazardous to health may be formed.
Special fire fighting procedures	Use water spray to cool unopened containers.
Protection of fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders	Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Clean-up methods and materials and containment measures	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Prevention of secondary hazards	Not available.

## SECTION 7 Handling and storage

<b>Handling</b>	Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Storage</b>	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## SECTION 8 Exposure controls/personal protection

### Exposure limits

No exposure limits noted for ingredient(s).

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Monitoring methods

Follow standard monitoring procedures.

### Engineering measures

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### Personal protective equipment

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Eye protection

Wear safety glasses with side shields (or goggles). Face shield is recommended.

#### Skin and body protection

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.



### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9 Physical and chemical properties

<b>Appearance</b>	Smooth
<b>Physical state</b>	Solid.
<b>Form</b>	Solid. Semi-solid
<b>Color</b>	Gray Black
<b>Odor</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Boiling point, initial boiling point, and boiling range</b>	Not available.
<b>Flash point</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Density</b>	0.99 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.

Other data

Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Shelf life	4 years

SECTION 10 Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11 Toxicological information

Acute toxicity

Components	Species	Test Results
MOLYBDENUM DISULFIDE (CAS 1317-33-5)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rat	2500 mg/kg
<b>Oral</b>		
LD50	Rat	3200 mg/kg
POLYPROPYLENE GLYCOL MONOBUTYLETHER (CAS 9003-13-8)		
<u>Acute</u>		
<b>Dermal</b>		
LD50	Rabbit	21 g/kg
<b>Oral</b>		
LD50	Rat	5.84 g/kg

Routes of exposure	Inhalation. Skin contact.
Symptoms	May cause an allergic skin reaction. Dermatitis. Rash.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitizer	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

PETROLEUM DISTILLATES, HYDROTREATED HEAVY 3 Not classifiable as to carcinogenicity to humans. PARAFFINIC (CAS 64742-54-7)

Toxic to reproduction	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity following single exposure	Not classified.
Specific target organ toxicity following repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

SECTION 12 Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	No data available for this product.
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13 Disposal considerations

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Local disposal regulations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 14 Transport information

#### CNDG

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15 Regulatory information

#### Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Not regulated.

#### Regulations on the Control over Safety of Dangerous Chemicals

Not regulated.

#### Provision on the Environmental Administration of New Chemical Substances

##### China Inventory of Existing Chemical Substances

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### SPECIAL CASE

##### Other regulations

This safety data sheet conforms to the following laws, regulations and standards:  
Measures for the Safe Use of Chemicals in Workplaces  
General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009 )  
Regulations on Labor Protection in Workplaces Where Toxic Products Are Used  
Packing Symbol of Dangerous Goods(GB190-2009)  
Regulations on the Control over Safety of Dangerous Chemicals  
Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008)  
Packing - Pictorial Marking for Handling of Goods (GB/T191-2008)

#### China. National Catalogue of Hazardous Wastes

PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (CAS 64742-54-7)

#### Regulatory information

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Not applicable.

##### Montreal Protocol

Not applicable.

##### Kyoto protocol

Not applicable.

**Basel Convention**  
Not applicable.

**SECTION 16 Other information**

References	EPA: AQUIRE database GB6944-2012: Classification and Code of Dangerous Goods. GB12268-2012: List of Dangerous Goods. NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents
Disclaimer	Nye Lubricants, Inc. A Member of the FUCHS Group cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.
Revision information	SECTION 2 Hazards identification: Other hazards Composition / Information on Ingredients: Ingredients SECTION 6 Accidental release measures: For non-emergency personnel SECTION 8 Exposure controls/personal protection: Eye protection SECTION 15 Regulatory information: Other regulations SECTION 15 Regulatory information: Regulatory information SECTION 16 Other information: References SECTION 16 Other information: List of abbreviations