



# SAFETY DATA SHEET

## 1. Identification

**Name of the substance or mixture (trade name)** NYOGEL 741F  
**Product Code** NYOGEL 741F  
**Major recommended uses for the substance or mixture** Lubricating Grease  
**Specific restrictions for use of the substance or mixture** Not available.

### Manufacturer/Importer/Distributor information

#### Manufacturer

**Company name** Nye Lubricants, Inc.  
**Address** 12 Howland Road  
Fairhaven, MA 02719  
United States  
**Telephone** General Assistance +1-508-996-6721  
**Website** www.nyelubricants.com  
**E-mail** sds@nyelubricants.com  
**Contact person** Nye Lubricants EH&S  
**Emergency telephone number** 3E Online +1-800-451-8346

## 2. Hazards identification

### Classification of the substance or mixture

**Physical hazards** Not classified.  
**Health hazards** Not classified.  
**Environmental hazards** Not classified.

### GHS labeling elements, including precautionary statements

**Hazard symbol(s)** None.  
**Signal word** None.  
**Hazard statement(s)** The mixture does not meet the criteria for classification.  
**Precautionary statement(s)**  
**Prevention** Observe good industrial hygiene practices.  
**Response** Wash hands after handling.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards which do not result in classification** None known.

**Supplemental information** None.

**Other information** The Safety Information Sheet Chemicals of hazardous chemical can be obtained through phone, email or on the company website.

## 3. Composition/information on ingredients

### Mixture

Common chemical name or technical name	CAS number	Concentration or concentration range
DIPHENYLAMINE	122-39-4	< 0.3*
Other components below reportable levels		90 - 100

## 4. First-aid measures

### First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Personal protection for first-aid responders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Notes to physician</b>	Treat symptomatically.

## 5. Fire-fighting measures

<b>Means of fire extinguishing</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Use water spray to cool unopened containers.
<b>Protective measures taken by firefighting crews</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Control measures for spills and leaks

<b>Personal precautions, protective equipment and emergency procedures</b>	
<b>To be taken by those who are not involved in rendering emergency services</b>	Wear appropriate personal protective equipment.
<b>To be taken by those who are involved in rendering emergency services</b>	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Methods and materials for containment and cleaning up</b>	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.

## 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid prolonged exposure. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

<b>Control parameters</b>	Follow standard monitoring procedures.
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### Occupational exposure limits

#### Brazil. OELs (Ordinance No. 3214, 6/8/78, NR-15, Annex 11 (amended through ACGIH))

Components	Type	Value
DIPHENYLAMINE (CAS 122-39-4)	TWA	10 mg/m3

#### US. ACGIH Threshold Limit Values

Components	Type	Value
DIPHENYLAMINE (CAS 122-39-4)	TWA	10 mg/m3

## Biological limit values

### Brazil. BEIs (Ordinance No. 3214, 6/8/78, NR-07, Table 1)

Components	Value	Determinant	Specimen	Sampling Time
DIPHENYLAMINE (CAS 122-39-4)	1.5 %	Metahemoglobina	Hemoglobin in blood	*

\* - For sampling details, please see the source document.

### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
DIPHENYLAMINE (CAS 122-39-4)	1.5 %	Methemoglobin	Hemoglobin in blood	*

\* - For sampling details, please see the source document.

## Appropriate engineering controls

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 measures

### Eyes and face protection

Wear safety glasses with side shields (or goggles).

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Other

Wear suitable protective clothing.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.



## 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.

## 9. Physical and chemical properties

Appearance	Smooth
Physical state	Solid.
Form	Solid. Semi-solid
Color	White Off-white.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling temperature range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

**Viscosity** Not available.

**Other physical and chemical parameters**

**Density** 1.01 g/cm<sup>3</sup>  
**Explosive properties** Not explosive.  
**Oxidizing properties** Not oxidizing.  
**Shelf life** 4 years

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.  
**Chemical 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.

## 11. Toxicological information

**Information on likely routes of exposure**

**Inhalation** Prolonged inhalation may be harmful.  
**Skin contact** No adverse effects due to skin contact are expected.  
**Eye contact** Direct contact with eyes may cause temporary irritation.  
**Ingestion** Expected to be a low ingestion hazard.

**Symptoms** Direct contact with eyes may cause temporary irritation.

**Acute toxicity** Not available.

**Skin irritation and corrosion** 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 sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

**ACGIH Carcinogens**

DIPHENYLAMINE (CAS 122-39-4) A4 Not classifiable as a human carcinogen.

**Brazil. OELs (Ordinance No. 3214, 6/8/78, NR-15, Annex 11 (amended through ACGIH))**

DIPHENYLAMINE (CAS 122-39-4) Group A4 Not classifiable as a human carcinogen.

**Toxic to reproduction** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

## 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.

**Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**Bioaccumulative potential**

**Partition coefficient  
n-octanol / water (log K<sub>ow</sub>)**  
DIPHENYLAMINE

3.5

<b>Bioconcentration factor (BCF)</b>	Not available.
<b>Mobility in soil</b>	No data available for this product.
<b>Other adverse 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.

### 13. Considerations on final disposal

#### Recommended methods for final destination

<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.

### 14. Transport information

#### National regulations

##### ANTT

Not regulated as dangerous goods.

#### International regulations

##### 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.

### 15. Regulatory information

**Federal regulations** This product is not classified for Transportation in accordance with Resolution ANTT Resolution 5232, of December 14, 2016, as amended. This chemical product safety data sheet was prepared in accordance with the Brazilian Standard (ABNT NBR 14725-4: (Safety data sheet for chemicals (SDS))).

#### Chemical Products Controlled by the Federal Police (Ordinance No. 240)

Not applicable.

#### Chemical Products for the Manufacture and Synthesis of Narcotics and Psychotropic Subject to Control of the Ministry of Justice (Resolution No. 169 of 15 August 2017, Annex I, List D2)

Not listed.

#### Controlled products that must be reported to the Army (Decree No. 3655, Annex 1, as amended)

Not applicable.

#### Ozone depleting substances (Decree No. 99.280, Annexes A, B, C and E, as amended)

Not applicable.

#### POPs (Decree No. 5.472 promulgates the Stockholm Convention on persistent organic pollutants)

Not listed.

#### Use and physiological effects of chemical products (Decree No. 3665, Annex 3)

Not applicable.

#### International regulations

##### Montreal Protocol

Not applicable.

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Not applicable.

##### Kyoto protocol

Not applicable.

##### Basel Convention

Not applicable.

## 16. Other information

**Significant information, yet not specifically related to the previous sections**

Not available.

**Legends and abbreviations**

ACGIH: American Conference of Governmental Industrial Hygienists.  
ANTT: National Agency of Land Transport.  
CAS: Chemical Abstract Service.  
IARC: International Agency for Research on Cancer.  
IATA: International Air Transport Association.  
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Dangerous Goods.  
MARPOL: International Convention for the Prevention of Pollution from Ships.  
STEL: Short term exposure limit.  
TWA: Time Weighted Average.

**Revision information**

This document has undergone significant changes and should be reviewed in its entirety.

**Disclaimer**

Nye Lubricants, Inc. 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.