

# MATERIAL SAFETY DATA SHEET

## 1. Product and company identification

**Product name** NYOGEL 783H  
**Product Code** NYOGEL 783H  
**Manufacturer/Supplier** Nye Lubricants, Inc.  
**Address** 12 Howland Road  
Fairhaven MA 02719  
United States  
**Telephone** 508-996-6721  
**E-mail** Not available.  
**Contact person** Not available.  
**Emergency telephone number** CHEMTREC 1-800-424-9300  
**Recommended use** Not available.  
**Limitations on use** Not available.  
**MSDS No.** Not available.

## 2. Hazards identification

**Hazard classification**  
**Physical hazards** Not classified.  
**Health hazards** Acute toxicity (Dermal) Category 5 (2 % of the mixture consists of component(s) of unknown toxicity.)  
**Environmental hazards** Not classified.

**Label elements**  
**Signal word** Warning  
**Hazard statement** May be harmful in contact with skin.  
**Precautionary statement**  
**Prevention** Observe good industrial hygiene practices.  
**Response** Call a POISON CENTER or doctor/physician if you feel unwell.  
**Storage** Store away from incompatible materials.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Other hazards** None known.

## 3. Composition/information on ingredients

**Substance or mixture** Mixture

Chemical property	CAS Number	Concentration (%)
POLY(DIMETHYLSILOXANE)	63148-62-9	90 - 100
Other components below reportable levels		1 - < 3

## 4. First aid measures

### First aid measures for different exposure routes

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.  
**Ingestion** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
**Skin contact** Rinse with water. Call a POISON CENTER or doctor/physician if you feel unwell.  
**Eye contact** Rinse with water. Get medical attention if irritation develops and persists.  
**Most important symptoms and effects** Direct contact with eyes may cause temporary irritation.  
**Notes to physician** Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

## 5. Fire-fighting measures

**General fire hazards** No unusual fire or explosion hazards noted.  
**Suitable extinguishing media** 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 during fire fighting</b>	During fire, gases hazardous to health may be formed.
<b>Special fire fighting procedures</b>	Move containers from fire area if you can do so without risk.
<b>Personal protective equipment for fire-fighting</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Specific methods</b>	Move containers from fire area if you can do so without risk.

## 6. Accidental release measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>Clean-up methods and materials and containment measures</b>	Stop the flow of material, if this is without risk. Following product recovery, flush area with water.  Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

## 7. Handling and storage

<b>Handling</b>	
<b>Precautions</b>	Use personal protection recommended in Section 8 of the MSDS.
<b>Safe handling advice</b>	Use personal protection recommended in Section 8 of the MSDS.
<b>Storage</b>	
<b>Technical measures</b>	No specific recommendations.
<b>Suitable storage conditions</b>	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the MSDS).
<b>Incompatible materials</b>	For further information, please refer to section 10 of the MSDS.

## 8. Exposure controls/personal protection

<b>Occupational exposure limits</b>	
<b>Engineering measures</b>	Good general ventilation (typically 10 air changes per hour) 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.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves.
<b>Eye protection</b>	Wear eye/face protection.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Hygiene measures</b>	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

<b>Appearance</b>	
<b>Physical state</b>	Not available.
<b>Form</b>	Liquid.
<b>Color</b>	Gray
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	599,0 °F (315,0 °C) ASTM D-92
<b>Combustion temperature</b>	Not available.

<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Density</b>	0,98 g/cm <sup>3</sup>
<b>Viscosity</b>	Not available.
<b>Solubility</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Relative density</b>	Not available.
<b>Pour point</b>	-58 °F (-50 °C)
<b>Other data</b>	
<b>Shelf life</b>	4 years

## 10. Stability and reactivity

<b>Stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Formaldehyde.

## 11. Toxicological information

**Acute toxicity** May be harmful in contact with skin.

Product	Species	Test Results
NYOGEL 783H (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2040,9183 mg/kg, estimated
<i>Oral</i>		
LD50	Rat	17347,041 mg/kg, estimated
Components	Species	Test Results
POLY(DIMETHYLSILOXANE) (CAS 63148-62-9)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000,1 mg/kg
<i>Oral</i>		
LD50	Rat	17000,1 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Routes of exposure</b>	Skin contact.
<b>Symptoms</b>	Direct contact with eyes may cause temporary irritation.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Knowledge about health hazard is incomplete.
<b>Respiratory sensitization</b>	Knowledge about sensitization hazard is incomplete.
<b>Skin sensitization</b>	Knowledge about sensitization hazard is incomplete.
<b>Germ cell mutagenicity</b>	Knowledge about mutagenicity is incomplete.

## Carcinogenicity

Hygiene Norm GN 1.1.725-98. List of chemical compounds, products, industrial processes, natural and domestic factors which are carcinogenic for humans. 23 Dec 1998

Not listed.

<b>Toxic to reproduction</b>	Knowledge about health hazard is incomplete.
<b>Specific target organ toxicity - single exposure</b>	Knowledge about health hazard is incomplete.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.
<b>Chronic effects</b>	Not available.

## 12. Ecological information

### Ecotoxicological data

Components	Species	Test Results
POLY(DIMETHYLSILOXANE) (CAS 63148-62-9)		
<b>Aquatic</b>		
Fish	LC50	Channel catfish ( <i>Ictalurus punctatus</i> ) 2,36 - 4,15 mg/l, 96 hours
		Redear sunfish ( <i>Lepomis microlophus</i> ) 26,27 - 56,73 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

<b>Ecotoxicity</b>	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.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	No data available.
<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.

## 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>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
<b>Local disposal regulations</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>EU wastecodes</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

## 14. Transport information

### International regulations

#### ADR

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

## 15. Regulatory information

### Applicable regulations

Hygiene Norm GN 1.1.725-98. List of chemical compounds, products, industrial processes, natural and domestic factors which are carcinogenic for humans. 23 Dec 1998

Not listed.

Russian Federation. Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

Not listed.

**Ministry of Health and Social Development of Russian Federation. Order № 83 of 16.08.2004. List of hazardous and/or dangerous production factors and work under which preliminary and periodic medical examinations are conducted, methods of the examinations.**

Not listed.

**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
Taiwan	Taiwan Toxic Chemicals Substances Control Act	No

\*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).

**16. Other information**

<b>References</b>	GOST 30333-2007 - Chemical production safety passport. General requirements
<b>Issued by</b>	
<b>Company name</b>	Geno Manzone
<b>Disclaimer</b>	The information in the sheet was written based on the best knowledge and experience currently available.
<b>Issue date</b>	December-20-2011
<b>Revision date</b>	June-05-2015