



CHEMICAL PRODUCT SAFETY DATA SHEET

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

Product name: NYOGEL 796HP

Issue date: February-28-2011
Revision date: January-09-2018
Version #: 09
SDS No: -

SECTION 1 Chemical product and company identification

Product name NYOGEL 796HP
Product Code NYOGEL 796HP
Manufacturer/Supplier Nye Lubricants, Inc.
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Fairhaven, MA 02719
United States
Contact person Nye Lubricants EH&S
Telephone General Assistance 508-996-6721
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Emergency telephone number 3E Online 800-451-8346

Recommended use and Limitations on use

Recommended use Lubricating Grease
Issue date February-28-2011
Revision date January-09-2018
Supersedes date October-16-2015

SECTION 2 Hazards identification

Emergency overview Not available.

Hazard categories

Not classified.

Label elements

Pictograms None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention

P264 Wash hands thoroughly after handling.

Response

P321 Specific treatment (see on this label).

Storage

Store away from incompatible materials.

Disposal

P501 Dispose of contents/container to in accordance with local regulations

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 No adverse effects due to skin contact are expected.

Environmental hazards Not available.

Supplemental information None.

SECTION 3 Composition/information on ingredients

Substance/mixture Mixture

Chemical name	Concentration (%)	CAS Number
POLYTETRAFLUOROETHYLENE	10 - < 20	9002-84-0

Chemical name

SILICA, AMORPHOUS

5 - < 10

7631-86-9

Other components below reportable levels

80 - < 90

SECTION 4 First aid measures

Inhalation	If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.
Skin contact	Wash off with soap and water. Wash clothing separately before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Get immediate medical attention.
Ingestion	If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Most important symptoms and health effects	Direct contact with eyes may cause temporary irritation.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Notes to physician	Treat symptomatically.

SECTION 5 Fire-fighting measures

Extinguishing media	Dry chemical.
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	Move containers from fire area if you can do it without risk. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
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	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Observe precautions from other sections.
For emergency responders	Keep unnecessary personnel away.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.
Clean-up methods and materials and containment measures	Soak up with inert absorbent material. Clean contaminated surface thoroughly. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.
Prevention of secondary hazards	Not available.

SECTION 7 Handling and storage

Handling	Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid prolonged or repeated skin contact with this material. Avoid breathing gas/vapors/mist/fumes. Do not take internally. Do not handle or store near an open flame, heat or other sources of ignition. Do not taste or swallow. Wash thoroughly after handling.
Storage	Keep away from heat and sources of ignition. Store in a closed container away from incompatible materials. Store in cool place.

SECTION 8 Exposure controls/personal protection

Exposure limits

China OELs. Occupational Exposure Limits for Hazardous Agents in the Workplace, Chemical Hazardous Agents (GBZ 2.1-2007)

Components	Type	Value	Form
SILICA, AMORPHOUS (CAS 7631-86-9)	PC-TWA	5 mg/m ³	Total dust.

Biological limit values

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

Monitoring methods

Follow standard monitoring procedures.

Engineering measures

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

Respiratory protection

No personal respiratory protective equipment normally required. An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if irritation or symptoms are experienced. Respiratory protection must be provided in accordance with 29 CFR 1910.134. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Eye protection

Wear safety glasses with side shields (or goggles). Wear safety glasses; chemical goggles (if splashing is possible).

Skin and body protection

Wear suitable protective clothing. Wear nitrile, neoprene, PVC or viton gloves.



Hygiene measures

When using, do not eat, drink or smoke. Launder contaminated clothing before reuse. Wash hands thoroughly after handling.

SECTION 9 Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid. Semi-solid
Color	Blue
Odor	Slight
pH	Not available.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	Not available.
Flash point	550.4 °F (288.0 °C) ASTM D-92
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Density	0.90 g/cm ³ 0.90 g/cm ³
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.

Flammability (solid, gas) Not applicable.

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 Stable.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Heat, flames and sparks. Contact with incompatible materials.

Incompatible materials Strong acids, alkalies and oxidizing agents. Alkaline metals. Alkaline earth metals. Powdered metals. Halogenated compounds.

Hazardous decomposition products Hydrogen fluoride. Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Carbonyl fluoride.

SECTION 11 Toxicological information

Acute toxicity

Components	Species	Test Results
SILICA, AMORPHOUS (CAS 7631-86-9)		
Acute		
Dermal		
LD50	Rabbit	2000.0001 mg/kg
Inhalation		
LC50	Rat	0.55 mg/l/4h
Oral		
LD50	Rat	5000.0001 mg/kg

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

Routes of exposure Skin contact. Eye contact.

Symptoms Direct contact with eyes may cause temporary irritation.

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 Knowledge about sensitization hazard is incomplete.

Skin sensitizer Knowledge about sensitization hazard is incomplete.

Germ cell mutagenicity Knowledge about mutagenicity is incomplete.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by ACGIH and IARC. This product does not contain any carcinogens or potential carcinogens as listed by IARC. This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

IARC Monographs. Overall Evaluation of Carcinogenicity

POLYTETRAFLUOROETHYLENE (CAS 9002-84-0) 3 Not classifiable as to carcinogenicity to humans.

SILICA, AMORPHOUS (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.

Toxic to reproduction Knowledge about health hazard is incomplete.

Specific target organ toxicity following single exposure Not classified.

Specific target organ toxicity following repeated exposure Not classified.

Aspiration hazard Knowledge about health hazard is incomplete.

Chronic effects Not available.

Other information This product has no known adverse effect on human health.

SECTION 12 Ecological information**Ecotoxicological data**

Components	Species		Test Results
SILICA, AMORPHOUS (CAS 7631-86-9)			
Aquatic			
Algae	IC50	Algae	440 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7600 mg/L, 48 Hours

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

Ecotoxicity	This material is not expected to be harmful to aquatic life.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Other hazardous effects	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

Residual waste	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).
Contaminated packaging	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.
Local disposal regulations	Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Contract with a disposal operator licensed by the Law on Disposal and Cleaning.

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 established.

SECTION 15 Regulatory information**Inventory of Existing Chemical Substances in China**

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

Applicable regulations	This safety data sheet conforms to the following laws, regulations and standards: Regulations on the Control over Safety of Dangerous Chemicals Regulations on Labor Protection in Workplaces Where Toxic Products Are Used Measures for the Safe Use of Chemicals in Workplaces Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008) General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009) Packing Symbol of Dangerous Goods(GB190-2009) Packing - Pictorial Marking for Handling of Goods (GB/T191-2009)
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Occupational exposure limits for hazardous agents in the workplace (GBZ 2.1-2007)

SILICA, AMORPHOUS (CAS 7631-86-9)

National Catalogue of Hazardous Wastes

SILICA, AMORPHOUS (CAS 7631-86-9)

Restricted Import/Export Toxic Chemical List (MEP and GCA Announcement No. 2008-66, Dec. 1, 2008, amended through MEP and Customs Notice No. 2013-85, December 30, 2013)

Not regulated.

Classification and code of dangerous goods (GB 6944-2012)

Not regulated.

UN Recommendations on the Transport of Dangerous Goods (UN RTDG)

Not regulated.

SECTION 16 Other information**References**

EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents

Issued by**Company name**

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Disclaimer

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Revision information

Product and Company Identification: Product and Company Identification