

1. Identification of the substance or mixture and of the supplier

- 1.1 GHS product identifier** NYOGEL 744
- 1.2 Other means of identification**
Product Code NYOGEL 744
- 1.3 Recommendations and restrictions on the use of substances or mixtures**
Recommended use Lubricating Grease
Recommended restrictions Not available.
- 1.4 Supplier's details**
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
- 1.5 Emergency phone number** 3E Online +1-800-451-8346

2. Hazards identification

- 2.1 GHS classification of substance or mixture, and national or regional information**
Physical hazards Not classified.
Health hazards Not classified.
Environmental hazards Not classified.
- 2.2 GHS label elements**
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.
- 2.3 Other hazards which do not result in GHS classification** None known.
- Supplemental information** None.

3. Composition/information on ingredients

3.2 Mixture

Chemical identity	Common name and synonym	CAS number and other unique identifiers	Concentration or concentration range
POLYPROPYLENE GLYCOL MONOBUTYLEETHER		9003-13-8	1 - < 3*
2,5-FURANDIONE, DIHYDRO-3-(OCTADECENYL)		28777-98-2	< 1
Other components below reportable levels			90 - 100

4. First-aid measures

- 4.1 Description of first-aid measures**
Inhalation Move to fresh air.
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
4.2 Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
4.3 Indication of immediate medical considerations and important specific treatment that should be performed	Treat symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

5.1 Prohibited extinguishing media and suitable extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Specific hazards arising from chemicals	During fire, gases hazardous to health may be formed.
5.3 Special protective equipment and precautions for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
General fire hazards	No unusual fire or explosion hazards noted.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
6.2 Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
6.3 Methods and materials for containment and cleaning up	Soak up with inert absorbent material. Clean contaminated surface thoroughly. 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. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling, use and storage	Observe good industrial hygiene practices.
7.2 Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

8.1 Control parameters	
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	This material does not have established exposure limits. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter
8.2 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.
8.3 Personal protective measures	
Eye/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.



General hygiene considerations

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

9.1 Appearance	Smooth
Physical state	Solid.
Form	Solid. Semi-solid
Color	White Light yellow.
9.2 Odor	Not available.
9.3 Odor threshold limit	Not available.
9.4 pH	Not available.
9.5 Melting point/freezing point	Not available.
9.6 Initial boiling point and boiling range	Not available.
9.7 Flash point	Not available.
9.8 Evaporation rate	Not available.
9.9 Flammability (solid, gas)	Not available.
9.10 Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
9.11 Vapor pressure	Not available.
9.12 Vapor density	Not available.
9.13 Relative density	Not available.
9.14 Solubility(ies)	
Solubility (water)	Not available.
9.15 Partition coefficient: n-octanol/water	Not available.
9.16 Auto-ignition temperature	Not available.
9.17 Decomposition temperature	Not available.
9.18 Viscosity	Not available.
Other information	
Density	0.96 g/cm ³
Dropping point	272
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Shelf life	4 years

10. Stability and reactivity

10.1 Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2 Chemical stability	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid	Contact with incompatible materials.
10.5 Incompatible materials	Strong acids, alkalis and oxidizing agents.
10.6 Hazardous decomposition products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Aldehydes. Ketones.

11. Toxicological information

11.1 Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
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.

11.2 Symptoms related to physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

11.3 Delayed and immediate effects, including chronic effects from short- and long-term exposure Not available.

11.4 Numerical values of toxicity

Acute toxicity Not known.

Components	Species	Test Results
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POLYPROPYLENE GLYCOL MONOBUTYLETHER (CAS 9003-13-8)

Acute

Dermal

LD50	Rabbit	21 g/kg
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Oral

LD50	Rat	5.84 g/kg
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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 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 Not available.

Reproductive toxicity 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.

12. Ecological information

12.1 Ecological toxicity 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.

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

12.3 Bioaccumulative potential No data available.

12.4 Mobility in soil No data available.

12.5 Other adverse effects 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

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues / unused products 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.

14. Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

Safety, health and environmental regulation/legislation specific for the substance or mixture

Hazardous substances in the work place (DLPW Notification Re: List of Hazardous Chemicals, Royal Gazette, Vol. 130 Part 185 Ngor, issued December 20, B.E.2556 (2013))

Not listed.

Thailand. Explosive Substances & Precursors (Ministry of Defense Notification Re: Arms Subject to Imports License)

Not regulated.

Thailand. Reportable Hazardous Substances (Notification of Ministry of Industry Re: Bases respecting report of quantity of hazardous materials under Department of Industrial Works, B.E. 2547)

Not regulated.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	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)	No
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)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	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).

16. Other information, including date of preparation or last revision
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Issue date	February-04-2014
Revision date	January-08-2024
Version #	06
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.
Revision information	This document has undergone significant changes and should be reviewed in its entirety.