

Section 1: Identification

Product identifier NYOGEL 760K

Other means of identification Not available.

Recommended use of the chemical and restrictions on use

Recommended use Lubricating Grease

Restrictions on use None known.

Details of manufacturer or importer

Manufacturer

Company name Nye Lubricants, Inc.

Address 12 Howland Road

Fairhaven

MA

02719

United States

Telephone General Assistance 508-996-6721

Website www.nyelubricants.com

E-mail sds@nyelubricants.com

Contact person Nye Lubricants EH&S

Emergency phone number 3E Online 800-451-8346

Section 2: Hazard identification

Classification of the hazardous chemical

Physical hazards Not classified.

Health hazards Reproductive toxicity Category 2

Environmental hazards Hazardous to the aquatic environment, acute hazard Category 3

Hazardous to the aquatic environment, long-term hazard Category 3

Label elements, including precautionary statements

Hazard symbol(s)



Health
hazard

Signal word Warning

Hazard statement(s) Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Use personal protective equipment as required.

Response IF exposed or concerned: Get medical advice/attention.

Storage Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification None.

Supplemental information None.

Section 3: Composition/information on ingredients

Mixture

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
POLYBUTENE	9003-29-6	20 - < 30
1-DODECENE, POLYMER WITH 1-DECENE AND 1-OCTENE, HYDROGENATED	163149-28-8	5 - < 10
ALKYLATED DIPHENYLAMINE	Trade Secret	< 1
ANTIMONY DIALKYLDITHIOCARBAMATE	15890-25-2	< 1
TRIPHENYL PHOSPHATE	115-86-6	< 1
Other components below reportable levels		60 - < 70

Section 4: First-aid measures

Description of necessary first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Personal protection for first-aid responders	IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Symptoms caused by exposure	Direct contact with eyes may cause temporary irritation.
Medical attention and special treatment	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Section 5: Fire-fighting measures

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.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
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	Move containers from fire area if you can do so without risk.
Hazchem code	None.
Hazards from combustion products	None.
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	Wear appropriate protective equipment and clothing during clean-up.
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 release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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. For waste disposal, see section 13 of the SDS.

Section 7: Handling and storage

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	CAUTION Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure controls/personal protection

Control parameters	Follow standard monitoring procedures.
---------------------------	--

Occupational exposure limits

New Zealand. WES. (Workplace Exposure Standards)

Components	Type	Value
ANTIMONY DIALKYLDITHIOCARBAMA TE (CAS 15890-25-2)	TWA	0.5 mg/m3
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	3 mg/m3

US. ACGIH Threshold Limit Values

Components	Type	Value
ANTIMONY DIALKYLDITHIOCARBAMA TE (CAS 15890-25-2)	TWA	0.5 mg/m3
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	3 mg/m3

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
ANTIMONY DIALKYLDITHIOCARBAMA TE (CAS 15890-25-2)	TWA	0.5 mg/m3
TRIPHENYL PHOSPHATE (CAS 115-86-6)	STEL	6 mg/m3
	TWA	3 mg/m3

Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

Components	Type	Value
ANTIMONY DIALKYLDITHIOCARBAMA TE (CAS 15890-25-2)	TWA	0.5 mg/m3
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	3 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
--------------------------------	--

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.
---	---

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
----------------------------	--

Skin protection

Hand protection	Wear appropriate chemical resistant gloves.
------------------------	---

Other	Use of an impervious apron is recommended.
--------------	--

Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
-------------------------------	--

Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
------------------------	---



Hygiene measures

Observe any medical surveillance requirements. 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.

Section 9: Physical and chemical properties**Appearance**

Physical state	Liquid.
Form	Liquid.
Color	Not available.

Odor Not available.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range 4046 °F (2230 °C) estimated

Flash point 485.6 °F (252.0 °C) ASTM D-92

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

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.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Kinematic viscosity 530 cSt

Kinematic viscosity temp 104 °F (40 °C)

Other physical and chemical parameters

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

Percent volatile 28.68 % estimated

Pour point -18.4 °F (-28 °C)

Shelf life 4 years

Specific gravity 0.96 estimated

VOC 28.68 % estimated

Section 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.

Section 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 related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.		
Information on toxicological effects			
Acute toxicity	Not known.		
Components	Species	Test Results	
TRIPHENYL PHOSPHATE (CAS 115-86-6)			
Acute			
Dermal			
LD50	Rabbit	7900 mg/kg	
Oral			
LD50	Rat	3500 mg/kg	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.		
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.		
Respiratory irritation	Not available.		
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.		
ACGIH Carcinogens			
TRIPHENYL PHOSPHATE (CAS 115-86-6)		A4 Not classifiable as a human carcinogen.	
IARC Monographs. Overall Evaluation of Carcinogenicity			
Not listed.			
Reproductive toxicity	Suspected of damaging fertility or the unborn child.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Narcotic effects	Due to lack of data the classification is not possible.		
Chronic effects	Prolonged inhalation may be harmful.		

Section 12: Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects.		
Components	Species		Test Results
TRIPHENYL PHOSPHATE (CAS 115-86-6)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia magna)	>= 0.86 - <= 1.2 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	0.3, 96 hours
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential			
Mobility in soil	No data available for this product.		
Other adverse effects	The product contains volatile organic compounds which have a photochemical ozone creation potential.		

Section 13: Disposal considerations

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

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.
Special precautions to be taken during disposal	Dispose in accordance with all applicable regulations.
Method of disposal that should not be used	None known.

Section 14: Transport information

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

Applicable regulations

New Zealand Inventory of Chemicals (NZIoC): Registration status

1-DODECENE, POLYMER WITH 1-DECENE AND 1-OCTENE, HYDROGENATED (CAS 163149-28-8)

May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.

ANTIMONY DIALKYLDITHIOCARBAMATE (CAS 15890-25-2)

May be used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right.

POLYBUTENE (CAS 9003-29-6)

May be used as a single component chemical under an appropriate group standard

TRIPHENYL PHOSPHATE (CAS 115-86-6)

HSNO Approved

Section 16: Other information

Issue date March-23-2011
Revision date February-21-2023
Version # 06

Key abbreviations or acronyms used Not available.

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.