

SAFETY DATA SHEET



1. Identification

Product identifier NYOGEL 701EPS

Other means of identification

Product Code NYOGEL 701EPS

Recommended use Lubricating Grease

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company name Nye Lubricants, Inc.
A Member of the FUCHS Group

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Fairhaven, MA 02719
USA

Telephone +1 508 996 6721

E-mail sds@fuchs.com

Emergency telephone number +1 866 519 4752

Access code 334212

Website www.nyelubricants.com

Supplier Not available.

2. Hazard identification

Physical hazards Not classified.

Health hazards Reproductive toxicity Category 2

Label elements



Signal word Warning

Hazard statement Suspected of damaging fertility or the unborn child.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

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.

Supplemental information None.

Other hazards None known.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
LIMESTONE		1317-65-3	30 - < 40
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC		64742-65-0	30 - < 40

Chemical name	Common name and synonyms	CAS number	%
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC		64741-89-5	30 - < 40
BENZENAMINE, N-PHENYL-, REACTION PRODUCTS WITH 2,4,4-TRIMETHYLPENTENE		68411-46-1	< 1
Other components below reportable levels			5 - < 10

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	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	Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Coughing.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	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.

5. Fire-fighting measures

Suitable extinguishing media	Foam. Dry chemicals. Carbon dioxide (CO2).
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 firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Will burn if involved in a fire. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. Sweep up or gather material and place in appropriate container for disposal. Avoid dust formation. 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.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

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 or repeated contact with skin. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat and sources of ignition. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values (TLV)

Components	Type	Value	Form
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	5 mg/m3	Inhalable fraction.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

Components	Type	Value	Form
LIMESTONE (CAS 1317-65-3)	TWA	10 mg/m3	
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Canada. British Columbia OELs: Table of Exposure Limits for Chemical Biological Substances Workers Compensation Board, as amended

Components	Type	Value	Form
LIMESTONE (CAS 1317-65-3)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	1 mg/m3	Mist.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	1 mg/m3	Mist.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Type	Value	Form
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	5 mg/m3	Inhalable fraction.

Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

Components	Type	Value	Form
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	5 mg/m3	Inhalable fraction.

Canada. Ontario OELs (Regulation 833, Control of Exposure to Biological or Chemical Agents), as amended

Components	Type	Value	Form
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	5 mg/m3	Inhalable fraction.

Canada. Quebec OELs (Regulation respecting occupational health and safety, v. S-2.1, r.13), as amended

Components	Type	Value	Form
LIMESTONE (CAS 1317-65-3)	TWA	10 mg/m3	Total dust.
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable dusts and mists.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	TWA	5 mg/m3	Inhalable dusts and mists.

Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996; Table 21), as amended

Components	Type	Value
LIMESTONE (CAS 1317-65-3)	15 minute	20 mg/m3
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	15 minute	10 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, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

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.

9. Physical and chemical properties

Appearance	Smooth
Physical state	Solid.
Form	Solid. Semi-solid
Color	Brown.
Odor	Slight. Hydrocarbon-like.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling 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.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.90 g/cm ³
Dropping point	≥410 °F (≥210 °C)
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. Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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

Coughing.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

LIMESTONE (CAS 1317-65-3) Irritant

Respiratory sensitization Due to partial or complete lack of data the classification is not possible.

Skin sensitization Due to partial or complete lack of data the classification is not possible.

Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible.

Carcinogenicity Based on available data, the classification criteria are not met.

ACGIH Carcinogens

PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	A4 Not classifiable as a human carcinogen.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	Not classifiable as a human carcinogen.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	Not classifiable as a human carcinogen.

Canada - Quebec OELs: Carcinogen category

PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	Suspected carcinogenic effect in humans.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	Suspected carcinogenic effect in humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	3 Not classifiable as to carcinogenicity to humans.
PETROLEUM DISTILLATES, SOLVENT-REFINED LIGHT PARAFFINIC (CAS 64741-89-5)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible.

Aspiration hazard Due to partial or complete lack of data the classification is not possible.

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	
Mobility in soil	No data available.

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

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

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**TDG**

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 applicable.

15. Regulatory information**Canadian regulations**

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

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)

No

Canada

Non-Domestic Substances List (NDSL)

Yes

China

Inventory of Existing Chemical Substances in China (IECSC)

Yes

Europe

European Inventory of Existing Commercial Chemical Substances (EINECS)

Yes

Country(s) or region	Inventory name	On inventory (yes/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)	Yes
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

Issue date	January-23-2020
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Disclaimer	Nye Lubricants, Inc. A Member of the FUCHS Group 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.