

# SAFETY DATA SHEET



## SECTION 1. Identification of the hazardous chemical substance or mixture and of the supplier or manufacturer

**Name of the hazardous chemical substance or mixture** NYOGEL 779ZC

**Other means of identification**  
**Product Code** NYOGEL 779ZC

**Recommended use of the hazardous chemical substance or mixture, and restrictions of use**  
**Recommended use** Lubricating Grease  
**Recommended restrictions** None known.

**Suppliers details**  
**Company name** Nye Lubricants, Inc.  
A Member of the FUCHS Group  
**Address** 12 Howland Road  
Fairhaven, MA 02179  
USA  
**Telephone** +1 508 996 6721  
**E-mail** sds@fuchs.com

**Emergency telephone number** +52 55 41696225  
**Access code** 334212  
**Website** www.nyelubricants.com

## SECTION 2. Hazard identification

**Classification of the substance or mixture**  
**Physical hazards** Not classified.  
**Health hazards** Reproductive toxicity Category 2

**Elements of labeling, including precautionary statements and warning pictograms**



**Signal word** Warning

**Hazard statement**  
H361 Suspected of damaging fertility or the unborn child.

### Precautionary statement

#### Prevention

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

P308 + P313 IF exposed or concerned: Get medical advice/attention.

#### Storage

P405 Store locked up.

#### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards which do not result in classification** None known.

Supplemental information None.

### SECTION 3. Composition/information on ingredients

#### Mixtures

| Chemical identity   | Common name(s), synonym(s) | CAS number and other unique identifiers | Concentration |
|---|----------------------------|---|---------------|
| DIDODECYL MALEATE   |                            | 2915-52-8                               | 1 - < 3       |
| DISTILLATES (PETROLEUM),<br>HYDROTREATED LIGHT<br>PARAFFINIC                |                            | 64742-55-8                              | 1 - < 3       |
| PETROLEUM DISTILLATES,<br>HYDROTREATED MIDDLE                               |                            | 64742-46-7                              | 1 - < 3       |
| BENZENAMINE, N-PHENYL-,<br>REACTION PRODUCTS WITH<br>2,4,4-TRIMETHYLPENTENE |                            | 68411-46-1                              | < 1           |
| Other components below reportable levels                                    |                            |   | 90 - 100      |

### SECTION 4. First-aid measures

#### Description of necessary first-aid measures

|   |   |
|---|---|
| <b>Inhalation</b>   | Move to fresh air. Call a physician if symptoms develop or persist.   |
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | 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. |

### SECTION 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                | 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 arising from the chemical</b>  | During fire, gases hazardous to health may be formed.   |
| <b>Special protective actions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>        | Use water spray to cool unopened containers.  |
| <b>Specific methods</b>                            | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                        | No unusual fire or explosion hazards noted.   |

### SECTION 6. Measures that must be taken in the event of accidental spillage or an accidental leak

#### Personal precautionary measures, protective equipment and emergency procedure

|                                    |  |
|------------------------------------|--|
| <b>For non-emergency personnel</b> | Wear appropriate personal protective equipment.  |
| <b>For emergency responders</b>    | 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. |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.   |

## Methods and materials for containing and cleaning up spills or releases

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.

## 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. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

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

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values (TLV)

| Components  | Type | Value   | Form                |
|---|------|---------|---------------------|
| DISTILLATES (PETROLEUM), HYDROTREATED LIGHT PARAFFINIC (CAS 64742-55-8) | TWA  | 5 mg/m3 | Inhalable fraction. |
| PETROLEUM DISTILLATES, HYDROTREATED MIDDLE (CAS 64742-46-7)             | TWA  | 5 mg/m3 | Inhalable fraction. |

### Biological limit values

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

### Control banding approach

Not available.

### 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 (PPE)

#### 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.

## SECTION 9. Physical and chemical properties

### Appearance

Smooth

#### Physical state

Solid.

#### Form

Solid. Semi-solid

#### Color

White. Light yellow.

### Odor

Not available.

### Odor threshold

Not available.

### pH

Not available.

### Melting point/freezing point

Not available.

|   |                        |
|---|------------------------|
| <b>Initial boiling point and boiling range</b>      | Not available.         |
| <b>Flash point</b>                                  | Not available.         |
| <b>Evaporation rate</b>                             | Not available.         |
| <b>Flammability (solid, gas)</b>                    | Not available.         |
| <b>Upper/lower flammability or explosive limits</b> |                        |
| Explosive limit - lower (%)                         | Not available.         |
| Explosive limit - upper (%)                         | Not available.         |
| <b>Vapor pressure</b>                               | Not available.         |
| <b>Vapor density</b>                                | Not available.         |
| <b>Relative density</b>                             | Not available.         |
| <b>Solubility(ies)</b>                              |                        |
| Solubility (water)                                  | Not available.         |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.         |
| <b>Auto-ignition temperature</b>                    | Not available.         |
| <b>Decomposition temperature</b>                    | Not available.         |
| <b>Viscosity</b>                                    | Not available.         |
| <b>Molecular weight</b>                             | Not available.         |
| <b>Other information</b>                            |                        |
| Density   | 0.87 g/cm <sup>3</sup> |
| Explosive properties                                | Not explosive.         |
| Oxidizing properties                                | Not oxidizing.         |
| Shelf life  | 4 years                |

## SECTION 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical 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 that must be avoided</b>    | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.  |

## SECTION 11. Toxicological information

### Information about likely routes of entry

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

|   |  |
|---|--|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Direct contact with eyes may cause temporary irritation. |
|---|--|

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Numerical measures of toxicity (such as acute toxicity estimates)

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | Not known.  |
| <b>Skin corrosion/irritation</b>         | Due to partial or complete lack of data the classification is not possible. |
| <b>Serious eye damage/eye irritation</b> | Due to partial or complete lack of data the classification is not possible. |

## Respiratory or skin sensitization

|                                  |   |
|----------------------------------|---|
| <b>Respiratory sensitization</b> | Due to partial or complete lack of data the classification is not possible. |
| <b>Skin sensitization</b>        | Due to partial or complete lack of data the classification is not possible. |
| <b>Germ cell mutagenicity</b>    | Due to partial or complete lack of data the classification is not possible. |
| <b>Carcinogenicity</b>           | Due to partial or complete lack of data the classification is not possible. |

### ACGIH Carcinogens

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT A4 Not classifiable as a human carcinogen.  
PARAFFINIC (CAS 64742-55-8)  
PETROLEUM DISTILLATES, HYDROTREATED MIDDLE A4 Not classifiable as a human carcinogen.  
(CAS 64742-46-7)

### IARC Monographs. Overall Evaluation of Carcinogenicity

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 3 Not classifiable as to carcinogenicity to humans.  
PARAFFINIC (CAS 64742-55-8)  
PETROLEUM DISTILLATES, HYDROTREATED MIDDLE 3 Not classifiable as to carcinogenicity to humans.  
(CAS 64742-46-7)

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Suspected of damaging fertility or the unborn child.                        |
| <b>Specific target organ toxicity - single exposure</b>   | Due to partial or complete lack of data the classification is not possible. |
| <b>Specific target organ toxicity - repeated exposure</b> | Due to partial or complete lack of data the classification is not possible. |
| <b>Aspiration hazard</b>                                  | Due to partial or complete lack of data the classification is not possible. |
| <b>Other information</b>                                  | Not available.  |

## SECTION 12. Ecotoxicological information

|                                      |  |
|--------------------------------------|--|
| <b>Toxicity</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 any ingredients in the mixture.   |
| <b>Bioaccumulative potential</b>     | No data available.   |
| <b>Mobility in soil</b>              | No data available.   |
| <b>Other adverse 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.            |

## SECTION 13. Disposal considerations

### Disposal methods

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | 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.                         |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</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>                | 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.       |

## SECTION 14. Transport information

|            |                                   |
|------------|-----------------------------------|
| <b>SCT</b> | Not regulated as dangerous goods. |
| <b>DOT</b> | Not regulated as dangerous goods. |
| <b>ADR</b> | Not regulated as dangerous goods. |
| <b>RID</b> | Not regulated as dangerous goods. |
| <b>ADN</b> | 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.

### SECTION 15. Regulatory information

**Safety, health and environmental regulations specific for the hazard chemical substance or mixture in question** This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2015).

**Mexico. Substances subject to reporting for the pollutant release and transfer registry (PRTR)**

Not listed.

#### International regulations

##### Montreal Protocol

Not applicable.

##### Stockholm Convention

Not applicable.

##### Rotterdam Convention

Not applicable.

##### Kyoto 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)             | No                     |
| 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  | No                     |
| 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).

### SECTION 16. Other included information relevant to the preparation and updating of safety data sheets

**Issue date** February-07-2014

**Revision date** January-20-2025

**Version #** 06

#### List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.  
ANTT: National Agency of Land Transport.  
CAS: Chemical Abstract Service.  
DOT: Department of Transportation.  
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
IARC: International Agency for Research on Cancer.  
IATA: International Air Transport Association.  
IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.  
IMDG: International Maritime Dangerous Goods.  
MARPOL: International Convention for the Prevention of Pollution from Ships.  
NFPA: National Fire Protection Association.  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.  
SCT: Secretariat of Communications and Transportation (NOM-002-SCT/2011).  
STEL: Short term exposure limit.  
TWA: Time Weighted Average.

## References

NMX-R-019-SCFI-2011 - Harmonized system of classification and communication of dangers of chemical products  
NOM-010-STPS-2014 (second revision) – Occupational Exposure Limits – becomes effective on April 28, 2016  
NOM-018-STPS-2015 - Harmonized system for the identification and communication of hazards and risks for hazardous chemicals in the workplace  
NOM-026-STPS-2008 - Colors and signals of safety and hygiene, and risk identification through fluids in pipes  
NOM-028-STPS-2012 – Work-Safety Management System for Processes and Critical Equipment Handling Hazardous Chemical Substances  
NOM-047-SSA1-2011 – Workplace Biological Exposure Indices (BEIs) to Chemical Substances Workplace Threshold Quantities of Hazardous Chemicals

## HMIS® ratings

Health: 0\*  
Flammability: 0  
Physical hazard: 0

## NFPA ratings

Health: 0  
Flammability: 0  
Instability: 0

## 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.