

# SAFETY DATA SHEET



## 1. Identification

**Product identifier** RHEOLUBE 362HB

**Other means of identification**

**Product Code** RHEOLUBE 362HB

**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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## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Reproductive toxicity Category 2

**OSHA defined hazards** Not classified.

### 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.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name                                                               | Common name and synonyms | CAS number | %   |
|-----------------------------------------------------------------------------|--------------------------|------------|-----|
| BENZENAMINE, N-PHENYL-,<br>REACTION PRODUCTS WITH<br>2,4,4-TRIMETHYLPENTENE |                          | 68411-46-1 | < 1 |

| Chemical name                                              | Common name and synonyms | CAS number | %   |
|------------------------------------------------------------|--------------------------|------------|-----|
| PETROLEUM DISTILLATES,<br>HYDROTREATED HEAVY<br>PARAFFINIC |                          | 64742-54-7 | < 1 |

Other components below reportable levels

90 - 100

#### 4. 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. |

#### 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 equipment and precautions 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.                                                   |

#### 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | 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. |
| <b>Methods and materials for containment and cleaning up</b>               | 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.                                                                                                                                                                  |
| <b>Environmental precautions</b>                                           | Avoid discharge into drains, water courses or onto the ground.                                                                                                                                                                                                                                                         |

#### 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | 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. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).<br>Storage class (TRGS 510): 11 (Combustible solids that cannot be assigned to any of the above storage classes)                                                                                                                                             |

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)**

| Components                                                            | Type | Value   | Form  |
|-----------------------------------------------------------------------|------|---------|-------|
| PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (CAS 64742-54-7) | PEL  | 5 mg/m3 | Mist. |

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

| Components                                                            | Type | Value   | Form                |
|-----------------------------------------------------------------------|------|---------|---------------------|
| PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (CAS 64742-54-7) | TWA  | 5 mg/m3 | Inhalable fraction. |

**NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended**

| Components                                                            | Type | Value      |
|-----------------------------------------------------------------------|------|------------|
| PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (CAS 64742-54-7) | IDLH | 2500 mg/m3 |

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

| Components                                                            | Type | Value    | Form  |
|-----------------------------------------------------------------------|------|----------|-------|
| PETROLEUM DISTILLATES, HYDROTREATED HEAVY PARAFFINIC (CAS 64742-54-7) | STEL | 10 mg/m3 | Mist. |
|                                                                       | TWA  | 5 mg/m3  | Mist. |

**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** If contact is likely, safety glasses with side shields are recommended.

**Skin protection**

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

**Other** 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**

|                       |                   |
|-----------------------|-------------------|
| <b>Appearance</b>     | Smooth            |
| <b>Physical state</b> | Solid.            |
| <b>Form</b>           | Solid. Semi-solid |
| <b>Color</b>          | White. Off-white. |
| <b>Odor</b>           | Not available.    |
| <b>Odor threshold</b> | Not available.    |

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| <b>pH</b>                                           | Not available.    |
| <b>Melting point/freezing point</b>                 | 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> |                   |
| <b>Explosive limit - lower (%)</b>                  | Not available.    |
| <b>Explosive limit - upper (%)</b>                  | Not available.    |
| <b>Vapor pressure</b>                               | Not available.    |
| <b>Vapor density</b>                                | Not available.    |
| <b>Relative density</b>                             | Not available.    |
| <b>Solubility(ies)</b>                              |                   |
| <b>Solubility (water)</b>                           | 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>Other information</b>                            |                   |
| <b>Dropping point</b>                               | 404.6 °F (207 °C) |
| <b>Explosive properties</b>                         | Not explosive.    |
| <b>Oxidizing properties</b>                         | Not oxidizing.    |

## 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 to avoid</b>                | Contact with incompatible materials.                                                          |
| <b>Incompatible materials</b>             | Strong oxidizing agents.                                                                      |
| <b>Hazardous decomposition products</b>   | No hazardous decomposition products are known.                                                |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <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. |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|

### Information on toxicological effects

|                                          |                                                           |
|------------------------------------------|-----------------------------------------------------------|
| <b>Acute toxicity</b>                    | Not available.                                            |
| <b>Skin corrosion/irritation</b>         | Prolonged skin contact may cause temporary irritation.    |
| <b>Serious eye damage/eye irritation</b> | Direct contact with eyes may cause temporary irritation.  |
| <b>Respiratory or skin sensitization</b> |                                                           |
| <b>Respiratory sensitization</b>         | Not a respiratory sensitizer.                             |
| <b>Skin sensitization</b>                | This product is not expected to cause skin sensitization. |

|                                                                                                                           |                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Germ cell mutagenicity</b>                                                                                             | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>                                                                                                    | Not classifiable as to carcinogenicity to humans.                                                                |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>                                                             |                                                                                                                  |
| PETROLEUM DISTILLATES, HYDROTREATED HEAVY 3 Not classifiable as to carcinogenicity to humans. PARAFFINIC (CAS 64742-54-7) |                                                                                                                  |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>                                                     |                                                                                                                  |
| Not listed.                                                                                                               |                                                                                                                  |
| <b>US. National Toxicology Program (NTP) Report on Carcinogens</b>                                                        |                                                                                                                  |
| Not listed.                                                                                                               |                                                                                                                  |
| <b>Reproductive toxicity</b>                                                                                              | Suspected of damaging fertility or the unborn child.                                                             |
| <b>Specific target organ toxicity - single exposure</b>                                                                   | Not classified.                                                                                                  |
| <b>Specific target organ toxicity - repeated exposure</b>                                                                 | Not classified.                                                                                                  |
| <b>Aspiration hazard</b>                                                                                                  | Not an aspiration hazard.                                                                                        |
| <b>Chronic effects</b>                                                                                                    | Prolonged inhalation may be harmful.                                                                             |

## 12. Ecological information

|                                      |                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</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.            |

## 13. Disposal considerations

|                                              |                                                                                                                                                                                                                  |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.       |

## 14. Transport information

|                                                                                 |                                   |
|---------------------------------------------------------------------------------|-----------------------------------|
| <b>DOT</b>                                                                      | Not regulated as dangerous goods. |
| <b>IATA</b>                                                                     | Not regulated as dangerous goods. |
| <b>IMDG</b>                                                                     | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.                   |

## 15. Regulatory information

|                                                                      |                                                                                                                |
|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>US federal regulations</b>                                        | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| <b>Toxic Substances Control Act (TSCA)</b>                           |                                                                                                                |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b> |                                                                                                                |
| Not regulated.                                                       |                                                                                                                |

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**Classified hazard categories** Reproductive toxicity**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**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)               | Yes                    |
| 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, including date of preparation or last revision**

**Issue date** November-25-2013  
**Revision date** May-02-2025  
**Version #** 15

**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**

Product and Company Identification: Product and Company Identification  
Physical and chemical properties: Color