



## Safety Data Sheet Nickel Anti-Seize Compound

Revision Date: 07/1/2015

### 1. Identification

#### 1.1. Product identifier

**Product Identity** Nickel Anti-Seize Compound  
**Alternate Names** (MIL-PRF-907F)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended Use / Application Method** See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** Lub-O-Seal Company Inc.  
17519 Lewis Drive  
Cypress, TX 77433

**Customer Service: Lub-O-Seal Company Inc.** +01-281-373-0387

**24 hour Emergency Telephone No.** Chemtel:  
North America Toll Free: 1-800-255-3924  
International: +01-813-248-0585

### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

Skin Sens. 1;H317 May cause an allergic skin reaction.  
Carc. 2;H351 Suspected of causing cancer.  
STOT RE 1;H372 Causes damage to organs through prolonged or repeated exposure. Specific Target Organs: (lungs )

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.



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### [Prevention]:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves / eye protection / face protection.

### [Response]:

- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P308+313 IF exposed or concerned: Get medical advice / attention.
- P314 Get Medical advice / attention if you feel unwell.
- P321 Specific treatment (see information on this label).
- P333+313 If skin irritation or a rash occurs: Get medical advice / attention.
- P363 Wash contaminated clothing before reuse.

### [Storage]:

- P405 Store locked up.

### [Disposal]:

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

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations                   | Weight % | GHS Classification  | Notes  |
|--|----------|---|--------|
| Polybutene<br>CAS Number: 0009003-29-6             | 50 - 75  | Not Classified  | [1]    |
| Graphite<br>CAS Number: 0007782-42-5               | 10 - 25  | Not Classified  | [1][2] |
| Aluminum (Al)<br>CAS Number: 0007429-90-5          | 1 - 5    | Pyr. Sol. 1;H250<br>WaterReact. 2;H261  | [1][2] |
| Mineral oil<br>CAS Number: 0008042-47-5            | 1 - 5    | Asp. Tox. 1;H304  | [1]    |
| Nickel<br>CAS Number: 0007440-02-0                 | 1 - 5    | Carc. 2;H351<br>STOT RE 1;H372<br>Skin Sens. 1;H317<br>Aquatic Chronic 3;H412 | [1][2] |
| Amorphous fumed silica<br>CAS Number: 0112945-52-5 | 1 - 5    | Combustible Dust  | [1]    |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.



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[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

|                   |   |
|-------------------|---|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention.<br>Never give anything by mouth to an unconscious person.  |
| <b>Inhalation</b> | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| <b>Eyes</b>       | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.  |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.   |
| <b>Ingestion</b>  | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                 |   |
|-----------------|---|
| <b>Overview</b> | <u>Skin</u> : Prolonged or repeated exposure can cause irritation and dermatitis.<br><u>Eyes</u> : Eye irritant. May cause redness, tearing and blurred vision<br><u>Inhalation</u> : Not expected<br><u>Ingestion</u> : May cause nausea, vomiting or diarrhea Possible cancer hazard. |
|-----------------|---|

Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure. See section 2 for further details.

|             |                                      |
|-------------|--------------------------------------|
| <b>Skin</b> | May cause an allergic skin reaction. |
|-------------|--------------------------------------|

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Foam, CO<sub>2</sub>, halon, or dry chemical

#### 5.2. Special hazards arising from the substance or mixture

Drums heated by fire can support combustion

Hazardous decomposition: Carbon monoxide

Avoid breathing dust / fume / gas / mist / vapors / spray.

#### 5.3. Advice for fire-fighters

Avoid use of water streams, if ignited, product may produce dense smoke, firefighters should wear self contained breathing apparatus



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### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Drums heated by fire can support combustion

#### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Methods and material for containment and cleaning up

Drums heated by fire can support combustion

Mop up or otherwise absorb and hold for disposal.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For industrial and institutional use only.

Incompatible materials: Strong oxidizers, concentrated oxygen.

See section 2 for further details. - [Storage]:

#### 7.3. Specific end use(s)

No data available.

### 8. Exposure controls and personal protection

#### 8.1. Control parameters

##### Exposure

| CAS No.      | Ingredient    | Source | Value                                   |
|--------------|---------------|--------|---|
| 0007429-90-5 | Aluminum (Al) | OSHA   | TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp) |
|              |               | ACGIH  | TWA: 1.0 mg/m3 Revised 2008,            |
|              |               | NIOSH  | TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp) |



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|              |                        |          |   |
|--------------|------------------------|----------|---|
|              |                        | Supplier | No Established Limit  |
| 0007440-02-0 | Nickel                 | OSHA     | TWA 1 mg/m3 [*Note: The PEL does not apply to Nickel carbonyl.]             |
|              |                        | ACGIH    | Insoluble TWA: 0.05 mg/m3 A1, 1, (I) Soluble TWA: 0.05 mg/m3 A1, 1, 2B, (I) |
|              |                        | NIOSH    | Ca TWA 0.015 mg/m3 [*Note: The REL does not apply to Nickel carbonyl.]      |
|              |                        | Supplier | No Established Limit  |
| 0007782-42-5 | Graphite               | OSHA     | TWA 15 mg/m3 TWA 15 mppcf   |
|              |                        | ACGIH    | TWA: 2 mg/m3  |
|              |                        | NIOSH    | TWA 2.5 mg/m3 (resp)  |
|              |                        | Supplier | No Established Limit  |
| 0008042-47-5 | Mineral oil            | OSHA     | No Established Limit  |
|              |                        | ACGIH    | No Established Limit  |
|              |                        | NIOSH    | No Established Limit  |
|              |                        | Supplier | No Established Limit  |
| 0009003-29-6 | Polybutene             | OSHA     | No Established Limit  |
|              |                        | ACGIH    | No Established Limit  |
|              |                        | NIOSH    | No Established Limit  |
|              |                        | Supplier | No Established Limit  |
| 0112945-52-5 | Amorphous fumed silica | OSHA     | No Established Limit  |
|              |                        | ACGIH    | No Established Limit  |
|              |                        | NIOSH    | No Established Limit  |
|              |                        | Supplier | No Established Limit  |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

### Carcinogen Data

| CAS No.      | Ingredient    | Source | Value   |
|--------------|---------------|--------|---|
| 0007429-90-5 | Aluminum (Al) | OSHA   | Select Carcinogen: No   |
|              |               | NTP    | Known: No; Suspected: No  |
|              |               | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |
| 0007440-02-0 | Nickel        | OSHA   | Select Carcinogen: Yes  |
|              |               | NTP    | Known: Yes; Suspected: Yes  |
|              |               | IARC   | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |
| 0007782-42-5 | Graphite      | OSHA   | Select Carcinogen: No   |
|              |               | NTP    | Known: No; Suspected: No  |
|              |               | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |
| 0008042-47-5 | Mineral oil   | OSHA   | Select Carcinogen: No   |
|              |               | NTP    | Known: No; Suspected: No  |
|              |               | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |
| 0009003-29-6 | Polybutene    | OSHA   | Select Carcinogen: No   |
|              |               | NTP    | Known: No; Suspected: No  |
|              |               | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |



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|              |                        |      |  |
|--------------|------------------------|------|--|
| 0112945-52-5 | Amorphous fumed silica | OSHA | Select Carcinogen: No  |
|              |                        | NTP  | Known: No; Suspected: No   |
|              |                        | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

### 8.2. Exposure controls

#### Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

#### Eyes

Safety glasses or face shield if method of dispensing promotes splashing.

#### Skin

Safety gloves are recommended.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                                      | Gray-Silver Paste  |
| <b>Odor</b>  | Hydrocarbon  |
| <b>Odor threshold</b>                                  | Not determined   |
| <b>pH</b>  | Not Measured   |
| <b>Melting point / freezing point</b>                  | Not Measured   |
| <b>Initial boiling point and boiling range</b>         | 600°F +  |
| <b>Flash Point</b>                                     | 450°F (TCC)  |
| <b>Evaporation rate (Ether = 1)</b>                    | < 1  |
| <b>Flammability (solid, gas)</b>                       | Not Applicable   |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured |
| <b>Vapor pressure (Pa)</b>                             | < 10   |
| <b>Vapor Density</b>                                   | > 1  |
| <b>Specific Gravity</b>                                | 1.18   |
| <b>Solubility in Water</b>                             | Not Measured   |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured   |
| <b>Auto-ignition temperature</b>                       | Not Measured   |



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|                           |                     |
|---------------------------|---------------------|
| Decomposition temperature | Not Measured        |
| Viscosity (cSt)           | Not Measured        |
| % Volatile                | 0%                  |
| Texture                   | Thick, Oily Texture |

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Strong oxidizers, concentrated oxygen.

### 10.6. Hazardous decomposition products

Carbon monoxide

## 11. Toxicological information

### Acute toxicity

| Ingredient                  | Oral LD50, mg/kg                  | Skin LD50, mg/kg  | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|-----------------------------|-----------------------------------|-------------------|---------------------------------|-------------------------------------|--------------------------|
| Polybutene - (9003-29-6)    | No data available                 | No data available | No data available               | No data available                   | No data available        |
| Graphite - (7782-42-5)      | No data available                 | No data available | No data available               | No data available                   | No data available        |
| Aluminum (Al) - (7429-90-5) | No data available                 | No data available | No data available               | No data available                   | No data available        |
| Mineral oil - (8042-47-5)   | > 5,000.00, Rat<br>- Category: NA | No data available | No data available               | No data available                   | No data available        |
| Nickel - (7440-02-0)        | No data available                 | No data available | No data available               | No data available                   | No data available        |



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|  |                                |                      |                      |                      |                      |
|--|--------------------------------|----------------------|----------------------|----------------------|----------------------|
| Amorphous fumed silica - (112945-52-5) | 3,160.00, Rat -<br>Category: 5 | No data<br>available | No data<br>available | No data<br>available | No data<br>available |
|--|--------------------------------|----------------------|----------------------|----------------------|----------------------|

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification                | Category | Hazard Description  |
|-------------------------------|----------|---|
| Acute toxicity (oral)         | ---      | Not Applicable  |
| Acute toxicity (dermal)       | ---      | Not Applicable  |
| Acute toxicity (inhalation)   | ---      | Not Applicable  |
| Skin corrosion/irritation     | ---      | Not Applicable  |
| Serious eye damage/irritation | ---      | Not Applicable  |
| Respiratory sensitization     | ---      | Not Applicable  |
| Skin sensitization            | 1        | May cause an allergic skin reaction.                            |
| Germ cell mutagenicity        | ---      | Not Applicable  |
| Carcinogenicity               | 2        | Suspected of causing cancer.                                    |
| Reproductive toxicity         | ---      | Not Applicable  |
| STOT-single exposure          | ---      | Not Applicable  |
| STOT-repeated exposure        | 1        | Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard             | ---      | Not Applicable  |

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

#### Aquatic Ecotoxicity

| Ingredient               | 96 hr LC50 fish,<br>mg/l | 48 hr EC50 crustacea,<br>mg/l | ErC50 algae,<br>mg/l |
|--------------------------|--------------------------|-------------------------------|----------------------|
| Polybutene - (9003-29-6) | Not Available            | Not Available                 | Not Available        |
| Graphite - (7782-42-5)   | Not Available            | Not Available                 | Not Available        |





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|  |               |               |               |
|--|---------------|---------------|---------------|
| Aluminum (Al) - (7429-90-5)            | Not Available | Not Available | Not Available |
| Mineral oil - (8042-47-5)              | Not Available | Not Available | Not Available |
| Nickel - (7440-02-0)                   | Not Available | Not Available | Not Available |
| Amorphous fumed silica - (112945-52-5) | Not Available | Not Available | Not Available |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

|   | <b>DOT (Domestic Surface Transportation)</b> | <b>IMO / IMDG (Ocean Transportation)</b>                        | <b>ICAO/IATA</b>                 |
|---|--|---|----------------------------------|
| <b>14.1. UN number</b>                    | Not Applicable                               | Not Regulated   | Not Regulated                    |
| <b>14.2. UN proper shipping name</b>      | Not Regulated                                | Not Regulated   | Not Regulated                    |
| <b>14.3. Transport hazard class(es)</b>   | <b>DOT Hazard Class:</b> Not Applicable      | <b>IMDG:</b> Not Applicable<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> Not Applicable |
| <b>14.4. Packing group</b>                | Not Applicable                               | Not Applicable  | Not Applicable                   |
| <b>14.5. Environmental hazards</b>        |  |   |                                  |
| <b>IMDG</b>                               | Marine Pollutant: No                         |   |                                  |
| <b>14.6. Special precautions for user</b> | No further information                       |   |                                  |

## 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.



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**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.  
**WHMIS Classification** D2A

**US EPA Tier II Hazards**  
**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** Yes  
**Delayed (Chronic):** Yes

### EPCRA 311/312 Chemicals and RQs (lbs):

Nickel ( 100.00)

### EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### EPCRA 313 Toxic Chemicals:

Aluminum (Al)

Nickel

### Proposition 65 - Carcinogens (>0.0%):

Nickel

### Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### New Jersey RTK Substances (>1%):

Aluminum (Al)

Graphite

Nickel

### Pennsylvania RTK Substances (>1%):

Aluminum (Al)

Graphite

Nickel

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.



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The full text of the phrases appearing in section 3 is:

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gases.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

H412 Harmful to aquatic life with long lasting effects.

End of Document