SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name:
Gear Grease

Product Catalog No.:
N/A

Recommended Use:
RIDGID 700 PD

Company Information:

North America
Ridge Tool Company
400 Clark Street
Elyria, Ohio 44035-6001
1-800-519-3456
(8:00 am – 5:00 pm EST, M-F)
Emergency Telephone
call 9-1-1 or local emergency number
www.RIDGID.com

Australia
Ridge Tool Australia
127 Metrolink Circuit
Campbellfield, VIC 3061
1-800-743-443
(8:30 am – 5:00 pm AEST, M-F)
Emergency Telephone
call 000 or local emergency number
www.RIDGID.com.au

Issue Date:  June 7, 2017

Section 2 – Hazards Identification

HAZARD CLASSIFICATION
Health Hazards
Serious Eye Damage/Eye Irritation  Category 2A

LABEL ELEMENTS
Hazard Symbol

Signal Word:  Warning

Hazard Statements:
Causes serious eye damage.

Precautionary Statement
Prevention:
Wear eye or face protection. Wash hands thoroughly after handling.
Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Other hazards which do not result in GHS classification: None

Section 3 – Composition / Information On Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>% By Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>40-70%</td>
</tr>
<tr>
<td>Phosphorodithioic acid, O,O-di-C11-alkyl esters, zinc salts</td>
<td>68649-42-3</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4 – First Aid Measures

INGESTION:
Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

INHALATION:
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SKIN CONTACT:
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

EYE CONTACT:
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED
Potential acute health effects
Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Ingestion : Irritating to mouth, throat and stomach.
Skin contact : No known significant effects or critical hazards.

Over-exposure signs/symptoms
Eye contact :
Adverse symptoms may include the following:
pain or irritation, watering, redness
Inhalation : No specific data
Ingestion : No specific data
Skin contact : No specific data

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Product Name: Gear Grease

Section 5 – Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable extinguishing media:
Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:
None known.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
No specific fire or explosion hazard.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:
Decomposition products may include the following materials:
carbon dioxide, carbon monoxide, metal oxide/oxides

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special firefighting procedures:
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:
Small spill: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

ENVIRONMENTAL PRECAUTIONS:
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Section 7 – Handling And Storage

PRECAUTIONS FOR SAFE HANDLING:
Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>ACGIH TLV (United States, 6/2013).</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (United States, 10/2013).</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 10 hours. Form: Mist</td>
</tr>
<tr>
<td></td>
<td>STEL: 10 mg/m³ 15 minutes. Form: Mist</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (United States, 2/2013).</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

APPROPRIATE ENGINEERING CONTROLS
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

ENVIRONMENTAL EXPOSURE CONTROLS
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

HYGIENE MEASURES:
Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

EYE/FACE PROTECTION:
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
HAND PROTECTION:
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

SKIN AND BODY PROTECTION:
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

RESPIRATORY PROTECTION:
Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Form</td>
<td>No data available</td>
</tr>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild petroleum</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.</td>
</tr>
<tr>
<td>Upper/lower limit on flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limit – upper (%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive limit – lower (%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.89g/cm²</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Solubility (other)</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&gt;0.21 cm²/s (40 °C)</td>
</tr>
</tbody>
</table>
Product Name : Gear Grease

Section 10 – Stability And Reactivity

REACTIVITY:
No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY:
The product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS:
Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID:
No specific data.

INCOMPATIBLE MATERIALS:
No specific data.

HAZARDOUS DECOMPOSITION PRODUCTS:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 – Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS
Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary : No known significant effects or critical hazards.

IRRITATION/CORROSION
Conclusion/Summary
Skin : No known significant effects or critical hazards.
Eyes : No known significant effects or critical hazards.
Respiratory : No known significant effects or critical hazards.
Product Name: Gear Grease

SENSITIZATION
Conclusion/Summary
Skin: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.

Respiratory: Sensitization not suspected for humans.

MUTAGENICITY
Conclusion/Summary: There are no data available on the mixture itself. Mutagenicity not suspected for humans.

CARCINOGENICITY
Conclusion/Summary: There are no data available on the mixture itself. Carcinogenicity not suspected for humans.

REPRODUCTIVE TOXICITY
Conclusion/Summary: There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.

TERATOGENICITY
Conclusion/Summary: There are no data available on the mixture itself. Teratogenicity not suspected for humans.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
Not available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)
Not available.

ASPIRATION HAZARD

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
<tr>
<td>heavy paraffinic</td>
<td></td>
</tr>
</tbody>
</table>

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE
Routes of entry anticipated: Oral, Dermal, Inhalation.

POTENTIAL ACUTE HEALTH EFFECTS
Eye contact: Causes serious eye irritation.
Inhalation: No known significant effects or critical hazards.
Skin contact: No known significant effects or critical hazards.
Ingestion: Irritating to mouth, throat and stomach.
Product Name : Gear Grease

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS
  Eye contact : Adverse symptoms may include the following:
               pain or irritation, watering, redness
  Inhalation : No specific data.
  Skin contact : No specific data.
  Ingestion : No specific data.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE
  Short term exposure
    Potential delayed effects : Not available.
    Potential immediate effects: Not available.
  Long term exposure
    Potential delayed effects : Not available.

POTENTIAL CHRONIC HEALTH EFFECTS
  Conclusion/Summary : Contains material that may cause target organ damage, based on animal data.
  General : No known significant effects or critical hazards.
  Carcinogenicity : No known significant effects or critical hazards.
  Mutagenicity : No known significant effects or critical hazards.
  Teratogenicity : No known significant effects or critical hazards.
  Developmental effects : No known significant effects or critical hazards.
  Fertility effects : No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY
  Acute toxicity estimates: Not available.
Product Name .................................. : Gear Grease

Section 12 – Ecological Information

TOXICITY
Conclusion/Summary : There are no data available on the mixture itself.

PERSISTENCE AND DEGRADABILITY
Conclusion/Summary : Not readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Not available.

MOBILITY IN SOIL
Soil/water partition coefficient (KOC): Not available

OTHER ADVERSE EFFECTS : No known significant effects or critical hazards.

Section 13 – Disposal Consideration

DISPOSAL METHODS:
The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 – Transportation Information

Not regulated by DOT, IMDG, IATA, Mexico, ADR/RID
Product Name: Gear Grease

Section 15 – Regulatory Information

US FEDERAL REGULATIONS
TSCA 8(a) PAIR: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.
Clean Water Act (CWA) 307: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts; tris(dipentyldithiocarbamato-S,S')antimony

CLEAN AIR ACT SECTION 112 (B) HAZARDOUS AIR POLLUTANTS (HAPS)
Not listed

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCES
Not listed

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES
Not listed

DEA LIST I CHEMICALS (PRECURSOR CHEMICALS)
Not listed

DEA LIST II CHEMICALS (ESSENTIAL CHEMICALS)
Not listed

SARA 302/304: No products were found
SARA 304 RQ: Not applicable
SARA 311/312
Classification: Immediate (acute) health hazard

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
<td>1-5</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
Product Name: Gear Grease

SARA 313

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
<td>68649-42-3</td>
<td>1-5</td>
</tr>
<tr>
<td>Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts</td>
<td>68649-42-3</td>
<td>1-5</td>
</tr>
</tbody>
</table>

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

US STATE REGULATION

California Prop. 65: None of the components are listed.
Connecticut Carcinogen Reporting: None of the components are listed.
Connecticut Hazardous Material Survey: None of the components are listed.
Florida substances: None of the components are listed.
Illinois Chemical Safety Act: None of the components are listed.
Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.
Louisiana Reporting: None of the components are listed.
Louisiana Spill: None of the components are listed.
Massachusetts Spill: None of the components are listed.
Massachusetts Substances: None of the components are listed.
Michigan Critical Material: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey Spill: None of the components are listed.
New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.
New Jersey Hazardous Substances: The following components are listed: zinc compounds
New York Acutely Hazardous Substances: None of the components are listed.
New York Toxic Chemical Release Reporting: None of the components are listed.
Pennsylvania RTK Hazardous Substances: The following components are listed: zinc compounds
Rhode Island Hazardous Substances: None of the components are listed.
CANADA
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canadian lists
- Canadian NPRI: The following components are listed:
  - zinc (and its compounds)
- CEPA Toxic substances: None of the components are listed.
- Canada inventory; DSL/NDSL:
  - All components are listed or exempted.

INTERNATIONAL REGULATIONS
- Chemical Weapon Convention List Schedules I, II & III Chemicals
  - Not listed.
- Montreal Protocol (Annexes A, B, C, E)
  - Not listed.

INTERNATIONAL LISTS
- National inventory
  - Australia: All components are listed or exempted.
  - China: All components are listed or exempted.
  - Europe: All components are listed or exempted.
  - Japan: All components are listed or exempted.
  - Malaysia: Not determined.
  - New Zealand: Not determined.
  - Philippines: All components are listed or exempted.
  - Republic of Korea: All components are listed or exempted.
  - Taiwan: Not determined.

Section 16 – Other Information

Prepared by: . . . . . . Ridge Tool Company (Operating Standard 6-303)

Issue Date: . . . . . . June 7, 2017
Last Revision Date: . . . . June 18, 2015

RIDGE TOOL BELIEVES THE STATEMENTS, TECHNICAL INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE RELIABLE BUT THEY ARE GIVEN WITHOUT WARRANTY OR GUARANTEE OF ANY KIND, EXPRESSED OR IMPLIED, AND WE ASSUME NO RESPONSIBILITY FOR ANY LOSS, DAMAGE OR EXPENSE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THEIR USE.

Rev. F