Section 1 – Product & Company Identification

Product Name:
RIDGID White Thread Sealant (With PTFE)

Product Catalog No.:
84332, 84337

Recommended Use:
Pipe Joint Compound For Threaded Pipes

Restrictions on Use:
N/A

Company Information:

<table>
<thead>
<tr>
<th>North America</th>
<th>Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ridge Tool Company</td>
<td>Ridge Tool Australia</td>
</tr>
<tr>
<td>400 Clark Street</td>
<td>127 Metrolink Circuit</td>
</tr>
<tr>
<td>Elyria, Ohio 44035-6001</td>
<td>Campbellfield, VIC 3061</td>
</tr>
<tr>
<td>1-800-519-3456</td>
<td>1-800-743-443</td>
</tr>
<tr>
<td>(8:00 am – 5:00 pm EST, M-F)</td>
<td>(8:30 am – 5:00 pm AEST, M-F)</td>
</tr>
<tr>
<td>Emergency Telephone</td>
<td>Emergency Telephone</td>
</tr>
<tr>
<td>call 9-1-1 or local emergency number</td>
<td>call 000 or local emergency number</td>
</tr>
<tr>
<td><a href="http://www.RIDGID.com">www.RIDGID.com</a></td>
<td><a href="http://www.RIDGID.com.au">www.RIDGID.com.au</a></td>
</tr>
</tbody>
</table>

Issue Date: May 18, 2018

Revision: H
Section 2 – Hazards Identification

Physical hazards: Not classified.
Health hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements:
- Hazard symbol: None.
- Signal word: None.
- Hazard statement: The mixture does not meet the criteria for classification.
- Precautionary statement:
  - Prevention: Observe good industrial hygiene practices.
  - Response: Wash hands after handling.
  - Storage: Store away from incompatible materials.
  - Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC):
- Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
- The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever.

Section 3 – Composition / Information On Ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate</td>
<td>1317-65-3</td>
<td>30-50</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>30-40</td>
</tr>
<tr>
<td>Polyfluoroethylene</td>
<td>9002-84-0</td>
<td>5-15</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>5-10</td>
</tr>
<tr>
<td>Crystalline silica (Quartz)</td>
<td>14808-60-7</td>
<td>&lt; 0.5</td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.
### Section 4 – First Aid Measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>Move to fresh air. Call a physician if symptoms develop or persist.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Wash off with soap and water. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Rinse with water. Get medical attention if irritation develops and persists.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Rinse mouth. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td><strong>Most important symptoms/effects, acute and delayed</strong></td>
<td>Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.</td>
</tr>
<tr>
<td><strong>Indication of immediate medical attention and special treatment needed</strong></td>
<td>Treat symptomatically.</td>
</tr>
<tr>
<td><strong>General information</strong></td>
<td>Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.</td>
</tr>
</tbody>
</table>

### Section 5 – Fire Fighting Measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Suitable extinguishing media</strong></td>
<td>Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).</td>
</tr>
<tr>
<td><strong>Unsuitable extinguishing media</strong></td>
<td>Do not use water jet as an extinguisher, as this will spread the fire.</td>
</tr>
<tr>
<td><strong>Specific hazards arising from the chemical</strong></td>
<td>During fire, gases hazardous to health may be formed.</td>
</tr>
<tr>
<td><strong>Special protective equipment and precautions for firefighters</strong></td>
<td>Self-contained breathing apparatus and full protective clothing must be worn in case of fire.</td>
</tr>
<tr>
<td><strong>Fire fighting equipment/instructions</strong></td>
<td>Move containers from fire area if you can do so without risk.</td>
</tr>
<tr>
<td><strong>Specific methods</strong></td>
<td>Use standard firefighting procedures and consider the hazards of other involved materials.</td>
</tr>
<tr>
<td><strong>General fire hazards</strong></td>
<td>No unusual fire or explosion hazards noted.</td>
</tr>
</tbody>
</table>
Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

The product is immiscible with water and will sediment in water systems.

Methods and materials for containment and cleaning up
Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

Section 7 – Handling And Storage

Precautions for safe handling
Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
Product Name: RIDGID White Thread Sealant (With PTFE)

Section 8 – Exposure Controls / Personal Protection

Occupational exposure limits

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (CAS 1317-65-3)</td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 ppm</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
</tbody>
</table>

US. OSHA Table Z-3 (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.3 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Titanium dioxide (CAS 13463-67-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium carbonate (CAS 1317-65-3)</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td>Crystalline silica (Quartz) (CAS 14808-60-7)</td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Total</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)</td>
<td>STEL</td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>10 mg/m³</td>
<td>Mist.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>Mist.</td>
</tr>
</tbody>
</table>
Product Name: RIDGID White Thread Sealant (With PTFE)

<table>
<thead>
<tr>
<th>Biological limit values</th>
<th>No biological exposure limits noted for the ingredient(s).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appropriate engineering controls</td>
<td>Good general ventilation (typically 10 air changes per hour) 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.</td>
</tr>
</tbody>
</table>

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**: Wear safety glasses with side shields (or goggles).

- **Skin protection**
  - **Hand protection**: Wear appropriate chemical resistant gloves.
  - **Other**: Wear suitable protective clothing.

- **Respiratory protection**: Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

- **Thermal hazards**: Wear appropriate thermal protective clothing, when necessary.

- **General hygiene considerations**: 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**

- **Physical state**: Liquid.
- **Form**: Liquid paste.
- **Color**: White.
- **Odor**: Odorless

- **Odor threshold**: Not available.
- **pH**: Not available.
- **Melting point/freezing point**: Not available.
- **Initial boiling point and boiling range**: Not available.
- **Flash point**: > 212.0 °F (> 100.0 °C)
- **Evaporation rate**: Not available.
- **Flammability (solid, gas)**: Not available.

- **Upper/lower flammability or explosive limits**
  - **Flammability limit - lower (%)**: Not available.
  - **Flammability limit - upper (%)**: Not available.
  - **Explosive limit - lower (%)**: Not available.
  - **Explosive limit - upper (%)**: Not available.
Product Name: RIDGID White Thread Sealant (With PTFE)

Vapor pressure: Not available.
Vapor density: < 1
Relative density: 1.7
Solubility(ies):
  - Solubility (water): Insoluble
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Viscosity: 25000 cP
Other information:
  - VOC (Weight %): 3 g/l

Section 10 – Stability And Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
Conditions to avoid: Contact with incompatible materials.
Incompatible materials: Acids. Fluorine.
Hazardous decomposition products: No hazardous decomposition products are known.
Section 11 – Toxicological Information

Information on likely routes of exposure
- **Inhalation:** Prolonged inhalation may be harmful.
- **Skin contact:** No adverse effects due to skin contact are expected.
- **Eye contact:** Direct contact with eyes may cause temporary irritation.
- **Ingestion:** Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**
- Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Information on toxicological effects
- **Acute toxicity:** Not available.
- **Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.
- **Serious eye damage/eye irritation:** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**
- **Respiratory sensitization:** Not a respiratory sensitizer.
- **Skin sensitization:** This product is not expected to cause skin sensitization.
- **Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that “carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs.” (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.)

**IARC Monographs. Overall Evaluation of Carcinogenicity**
- Crystalline silica (Quartz) (CAS 14808-60-7) 1 Carcinogenic to humans.
- Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) 3 Not classifiable as to carcinogenicity to humans.
- Polyfluoroethylene (CAS 9002-84-0) 3 Not classifiable as to carcinogenicity to humans.
- Titanium dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.

**NTP Report on Carcinogens**
- Crystalline silica (Quartz) (CAS 14808-60-7) Known To Be Human Carcinogen.

- Not listed.

**Reproductive toxicity**
- This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
- Not classified.

**Specific target organ toxicity - repeated exposure**
- Not classified.

**Aspiration hazard**
- Not an aspiration hazard.

**Chronic effects**
- Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Further information**
- This product has no known adverse effect on human health.
Product Name: RIDGID White Thread Sealant (With PTFE)

Section 12 – Ecological Information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 – Disposal Consideration

Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations
Dispose in accordance with all applicable regulations.

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

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 – Transportation Information

DOT
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 established.
Product Name: RIDGID White Thread Sealant (With PTFE)

Section 15 – Regulatory Information

US federal regulations

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

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

US. Massachusetts RTK - Substance List
Calcium carbonate (CAS 1317-65-3)
Crystalline silica (Quartz) (CAS 14808-60-7)
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act
Calcium carbonate (CAS 1317-65-3)
Crystalline silica (Quartz) (CAS 14808-60-7)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Calcium carbonate (CAS 1317-65-3)
Crystalline silica (Quartz) (CAS 14808-60-7)
Polyfluoroethylene (CAS 9002-84-0)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK
Not regulated.

10
Product Name: RIDGID White Thread Sealant (With PTFE)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
Crystalline silica (Quartz) (CAS 14808-60-7)

Titanium dioxide (CAS 13463-67-7)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

"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).
Product Name: RIDGID White Thread Sealant (With PTFE)

Section 16 – Other Information

Prepared by: . . . . . . . . Ridge Tool Company (Operating Standard 6-405)

Issue Date: . . . . . . . . May 18, 2018
Last Revision Date: . . . . . . August 5, 2015

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