H-P STAINLESS STEEL ANTI SEIZE
NUCLEAR GRADE
SAFETY DATA SHEET

Section 1- Product and Company Identification

PRODUCT NAME: H-P Stainless Steel Anti-Seize, Nuclear Grade
PRODUCT TYPE: Coating
CAS Number: Mixture

Manufacture: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131
Phone: 847-455-2300
Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053
Web: antiseize.com

Date: Feb 18, 2020

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):
Not Hazardous
Label Elements:

Hazard Phrases:
None

Precautionary Phrases:
None

Other Hazards: None

Section 3- Composition/ Information on Ingredients

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non hazardous synthetic lubricant</td>
<td>proprietary</td>
<td>45-60</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>10-20</td>
</tr>
<tr>
<td>Stainless steel powder</td>
<td>12597-68-1</td>
<td>15-25</td>
</tr>
<tr>
<td>Non-hazardous components</td>
<td></td>
<td>2-10</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Eye: Flush eyes with water, holding the eyelids apart. Get medical attention if irritation develops or persists.

Skin: Wash thoroughly with plenty of water. Get medical attention if irritation persists.
Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation occurs, get medical attention.

Ingestion: If large amounts ingested, seek medical attention.

Most Important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: Immediate medical attention generally not required.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical.

Special Hazards Arising from the Chemical: This compound will not burn unless it is pre-heated. Water fog may be used to cool the containers but do not spray directly into large containers of burning liquids as frothing may occur. Dense smoke and noxious or toxic fumes may be generated in a fire. The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment. Use caution: slip hazard.

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Because of its viscous nature, this product is not expected to leak or spill. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal. Clean area thoroughly with mineral spirits.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged skin contact. Do not transfer to unlabeled containers.

Conditions for Safe Storage, Including any Incompatibilities: Store away from extreme heat and open flames. Store away from oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSOAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic Base Oil</td>
<td>5 mg/m3 TWA ACGIH TLV (inhalable)</td>
</tr>
<tr>
<td></td>
<td>5 mg/m3 TWA OSHA PEL</td>
</tr>
<tr>
<td>Graphite</td>
<td>2 mg/m3 TWA ACGIH TLV (respirable)</td>
</tr>
<tr>
<td></td>
<td>15 mg/m3 TWA OSHA PEL (total dust)</td>
</tr>
<tr>
<td></td>
<td>5 mg/m3 TWA OSHA PEL (respirable fraction)</td>
</tr>
<tr>
<td>Stainless Steel Powder</td>
<td>1 mg/m3 TWA ACGIH TLV (respirable)</td>
</tr>
<tr>
<td></td>
<td>15 mg/m3 TWA OSHA PEL (total dust)</td>
</tr>
<tr>
<td></td>
<td>5 mg/m3 TWA OSHA PEL (respirable fraction)</td>
</tr>
<tr>
<td>Rust inhibitor</td>
<td>None Established</td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits. If the product is used at high temperatures, local exhaust ventilation may be required.

Individual Protection Measures:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with organic vapor/particulate cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin Protection: Impervious gloves such as rubber or nitrile recommended where needed to avoid prolonged skin contact.

Eye Protection: Safety glasses or goggles recommended where needed to avoid eye contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Gray/silver colored paste</td>
</tr>
<tr>
<td>Vapor Density (air = 1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not established</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;500°F</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;350°F</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable Limits:</td>
<td>LEL: Not established</td>
</tr>
<tr>
<td></td>
<td>UEL: Not established</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not established</td>
</tr>
<tr>
<td>VOC Content</td>
<td>&lt;0.5%</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Not soluble</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.2</td>
</tr>
<tr>
<td>Octanol/Water Partition Coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Properties</td>
<td>None</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Aerosol Fire Protection Level</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Use with strong oxidizing chemicals such as concentrated acids.

Incompatible Materials: Avoid strong oxidizing agents and acids.

Hazardous Decomposition Products: The thermal decomposition products are highly dependent upon the combustion conditions. Noxious or toxic fumes may be generated, some of which may be toxic or irritating.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause mild irritation.

Skin: Prolonged contact may cause irritation and drying of the skin.
**Inhalation:** No adverse effects expected at ambient temperatures. Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation and metal fume fever with symptoms of fever and chills.

**Ingestion:** Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**Chronic Hazards:** Prolonged inhalation of thermal decomposition products may result in lung damage.

**Carcinogen Status:** None of the components of this product are listed as carcinogens by IARC, NTP or OSHA.

**Acute Toxicity Values:**
- **Graphite:** Oral rat LD50 > 2000 mg/kg, inhalation rat LC50 > 2 mg/L

### SECTION 12: ECOLOGICAL INFORMATION

Long term Ecotoxicity has not been performed on this product.

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations.

### SECTION 14: TRANSPORT INFORMATION

- **DOT Proper Shipping Name:** Not regulated
- **DOT Technical Name:** None
- **DOT Hazard Class:** None
- **UN Number:** None
- **DOTLabels Required (49CFR172.101):** None
- **IMDG Shipping Description:** Not regulated
- **ID Number:** None
- **Hazard Class:** None
- **Packing Group:** None
- **Labels Required:** None
- **Marking Required:** None
- **Placards Required:** None

### ICAO/IATA

- **Shipping Description:** Not regulated
- **ID Number:** None
- **Hazard Class:** None
- **Packing Group:** None
- **Labels Required:** None
- **Marking Required:** None
- **Placards Required:** None

### SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to reporting requirements under CERCLA. However, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous
SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product is not known to contain listed chemicals.

SECTION 16: OTHER INFORMATION

Revision Summary: New format to comply with OSHA Hazcom 2012

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