NICKEL PLATE™ HIGH TEMPERATURE
6oz Self Dispensing Can
ANTI-SEIZE COMPOUND
SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Manufacturer: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131
Phone: 847-455-2300
Toll Free: 800 991-1106
Web: antiseize.com

Information Phone Number: 800 991-1106
Emergency Phone Number: Infotrac 24/7 Phone: 1-800-535-5053 (US & Canada)
or 352-323-3500 (International)

Product Use: High Temperature Anti-Seize Compound
Restriction on Use: None known

SDS Date of Preparation: December 20, 2017

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2012):
Skin Sensitizer Category 1
Carcinogen Category 2
Specific Target Organ Toxicity – Single Exposure Category 1 (Inhalation)

Label Elements:

Signal Word: Danger

Hazard Phrases:

H280 Gases under pressure. May explode if heated.
P251 Pressurized container; Do not pierce or burn even after use.
H317 May cause an allergic skin reaction
H370 Causes damage to respiratory tract through inhalation
H351 Suspected of causing cancer through inhalation

Precautionary Phrases:
Prevention
P201 Obtain special instructions before use.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS#</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic Base Oil</td>
<td>NJTSRN#1210-01</td>
<td>40-60</td>
</tr>
<tr>
<td>Nickel Powder</td>
<td>7440-02-0</td>
<td>20-30</td>
</tr>
<tr>
<td>Graphite</td>
<td>7782-42-5</td>
<td>15-25</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>5-15</td>
</tr>
<tr>
<td>Rust inhibitor</td>
<td>Mixture</td>
<td>1-5</td>
</tr>
<tr>
<td>Aluminum Powder</td>
<td>7429-90-5</td>
<td>1-5</td>
</tr>
<tr>
<td>Nitrogen*</td>
<td>7727-37-9</td>
<td>1-5</td>
</tr>
</tbody>
</table>

*Nitrogen is contained in the can and is not released when the product is expelled.

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

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: Skin contact may cause an allergic reaction. Inhalation of vapors or mist may cause respiratory irritation. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

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 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 on the combustion conditions and may yield oxides of nickel, aluminum and carbon. 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 inhale. 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/PERSONAL 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) 5 mg/m3 TWA OSHA PEL</td>
</tr>
<tr>
<td>Nickel Powder</td>
<td>1.5 mg/m3 TWA ACGIH TLV (inhalable) 1 mg/m3 TWA OSHA PEL</td>
</tr>
<tr>
<td>Graphite</td>
<td>2 mg/m3 TWA ACGIH TLV (respirable) 15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction)</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>5 mg/m3 TWA ACGIH TLV (inhalable) 5 mg/m3 TWA OSHA PEL</td>
</tr>
<tr>
<td>Rust inhibitor</td>
<td>None Established</td>
</tr>
<tr>
<td>Aluminum Powder</td>
<td>1 mg/m3 TWA ACGIH TLV (respirable) 15 mg/m3 TWA OSHA PEL (total dust) 5 mg/m3 TWA OSHA PEL (respirable fraction)</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>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Metallic gray colored paste</td>
</tr>
<tr>
<td>Odor:</td>
<td>No 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>Not available</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>Vapor Pressure:</td>
<td>Not established</td>
</tr>
<tr>
<td>VOC Content:</td>
<td>&lt;0.5%</td>
</tr>
<tr>
<td>Explosion Properties:</td>
<td>None</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.

Hazardous Decomposition Products: The thermal decomposition products are highly dependent on the combustion conditions and may yield oxides of nickel, aluminum and carbon. 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. May cause an allergic reaction.

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 nickel dust or fumes may cause perforation of the nasal septum and lung damage. Prolonged skin contact may cause an allergic reaction.

Carcinogen Status: Metallic nickel is classified by IARC as possibly carcinogenic to humans (Group 2B) and by NTP as reasonably anticipated to be a carcinogen. None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the EU CLP.
Acute Toxicity Values:
Nickel Powder: Oral rat LD50 > 9000 mg/kg
Graphite: Oral rat LD50 > 2000 mg/kg, inhalation rat LC50 > 2 mg/L
Distillates (petroleum), hydrotreated heavy naphthenic: Oral rat LD50 > 5000 mg/kg, inhalation rat LC50: 2.18 mg/L, dermal rabbit LD50 > 2000 mg/kg
Aluminum Powder: Oral rat LD50 > 15900 mg/kg, inhalation rat LC50 > 0.888 mg/L

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:
Nickel Powder: Oncorhynchus mykiss LC50: 15.3 mg/L/96hr, Pimephales promelas NOEC: 0.057 mg/L/32days
Graphite: Danio rerio LC50 > 100 mg/L/96hr
Distillates (petroleum), hydrotreated heavy naphthenic: Pimephales promelas LL50 > 100 mg/L/96hr.
Aluminum Powder: Lepomis cyanellus NOEC > 50 mg/L/96hr

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS
Dispose in accordance with all local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

DOT
Proper Shipping Name: aerosols
DOT Hazard Class: 2.2
UN Number: UN 1950
Packing Group: None

IMDG
Shipping Description: Aerosols
Hazard Class: 2.2
Identification Number: UN 1950
Packing Group: none

ICAO/IATA
Shipping Description: Aerosols, non-flammable
ID Number: UN 1950
Hazard Class: 2.2
Packing Group: None

SECTION 15: REGULATORY INFORMATION

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

CERCLA Hazardous Substances (Section 103)/RQ: This product has a Reportable Quantity (RQ) of 500 lbs. based on the RQ for Nickel of 100 lbs. Releases above the RQ must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA Hazard Category (311/312): Acute Health, Chronic Health

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: Aluminum Powder 1-5%, Nickel Powder 20-30%

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.
CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to Nickel which is known to the State of California to cause cancer. For more information go to www.P65warnings.ca.gov

SECTION 16: OTHER INFORMATION

Revision Summary: New format to comply with OSHA Hazcom 2012

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