RED INSULATING VARNISH
SAFETY DATA SHEET

Section 1 - Product and Company Identification

Manufacture/Supplier: Anti-Seize Technology
2345 N. 17th Ave.
Franklin Park, IL 60131

Phone: 847-455-2300
Fax: 847-455-2371
Web: antiseize.com

Emergency Phone, 24 hr: Infotrac @ 1-800-535-5053 (US & Canada)
1-352-323-3500 (International)
Web: infotrac.net

Date: Oct 19, 2017

Section 2 - Hazard Identification

GHS Classification (Hazcom 2012):
Extremely flammable aerosol
Contains gas under pressure; may explode if heated
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated contact
Causes skin irritation
Causes serious eye irritation

Label Elements:

Signal word:
DANGER

Hazard Phrases:
Extremely flammable aerosol
Contains gas under pressure; may explode if heated
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated contact
Causes skin irritation
Causes serious eye irritation
Precautionary Phrases:
If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Obtain special instructions before use
Keep away from heat/sparks/open flames/hot surfaces- No smoking
Do not spray on an open flame or other ignition sources
Pressurized container: Do not pierce or burn, even after use
Wash hands thoroughly after handling
Use only outdoors or in a well ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection
Do not handle until all safety precautions have been read and understood
Do not breath dust/fumes/gas/mist/vapors/spray

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.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical attention.
IF SWALLOWED: Immediately call a POISON CENTER or doctor.
Do NOT induce vomiting
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell

Storage:
When not in use keep container closed
Keep away from children
Protect from sunlight
Do not expose to temperatures exceeding 50°C/ 122 F°
Store in well ventilated place

Disposal: Dispose of contents in accordance with local, regional and national regulations.

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS NUMBER</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>28.89</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>15.67</td>
</tr>
<tr>
<td>Red Iron Oxide</td>
<td>1309-37-1</td>
<td>9.22</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>9.2</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>6.9</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>123-86-4</td>
<td>4.5</td>
</tr>
<tr>
<td>Glycol Ether EB</td>
<td>2807-30-9</td>
<td>4.32</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>3.75</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>3.23</td>
</tr>
</tbody>
</table>

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:** 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:** Extremely flammable aerosol. Keep away from heat and open flames. Container may rupture or explode in the heat of a fire. Prolonged exposure to temperatures above 120°F may cause cans to burst. Combustion may produce carbon dioxide, carbon monoxide.

**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. Protect against bursting cans.

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.

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 / Personal Protection

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>CAS NUMBER</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>OSHA PEL 2400mg/m3, 1000ppm</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>OSHA PEL 1800mg/m3, 1000ppm</td>
</tr>
<tr>
<td>n-Butane</td>
<td>106-97-8</td>
<td>OSHA TLV 2370mg/m3, 1000ppm</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3.</td>
<td>OSHA PEL 200ppm</td>
</tr>
</tbody>
</table>
### Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance:</strong></td>
<td>Aerosol</td>
</tr>
<tr>
<td><strong>Vapor Density (air = 1):</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
<td>Aromatic solvent like</td>
</tr>
<tr>
<td><strong>Specific Gravity:</strong></td>
<td>0.7-0.8</td>
</tr>
<tr>
<td><strong>Odor Threshold:</strong></td>
<td>Not established</td>
</tr>
<tr>
<td><strong>Water Solubility:</strong></td>
<td>Not soluble</td>
</tr>
<tr>
<td><strong>pH:</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Octanol/Water Partition Coefficient:</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point:</strong></td>
<td>Does not apply</td>
</tr>
<tr>
<td><strong>Autoignition Temperature:</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Boiling Point:</strong></td>
<td>-44° C (-47 °F)</td>
</tr>
<tr>
<td><strong>Decomposition Temperature:</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Flash Point:</strong></td>
<td>-19° C (-2° F)</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>Evaporation Rate:</strong></td>
<td>Not determined</td>
</tr>
<tr>
<td><strong>Explosion Properties:</strong></td>
<td>None</td>
</tr>
<tr>
<td><strong>Flammable Limits:</strong></td>
<td></td>
</tr>
<tr>
<td><strong>LEL:</strong></td>
<td>1.7 volume %</td>
</tr>
<tr>
<td><strong>UEL:</strong></td>
<td>10.9% Vol %</td>
</tr>
<tr>
<td><strong>Oxidizing Properties:</strong></td>
<td>Not oxidizing</td>
</tr>
<tr>
<td><strong>Vapor Pressure:</strong></td>
<td>Not established</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>Gas</td>
</tr>
<tr>
<td><strong>VOC Content:</strong></td>
<td>49.1%</td>
</tr>
<tr>
<td></td>
<td>773g/L / 6.46 lb/gal</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:** application to hot surface.

**Incompatible Materials:** Not known

**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

<table>
<thead>
<tr>
<th>Compound</th>
<th>Route</th>
<th>LD50/LC50</th>
<th>Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Iron Oxide, oral</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;5000mg/m3</td>
</tr>
<tr>
<td>n-Butane, inhale</td>
<td>LC50/4</td>
<td>658mg/L , Rat</td>
<td></td>
</tr>
<tr>
<td>n-Butyl Acetate, inhale</td>
<td>LD50</td>
<td>&gt;21.0mg/L , Rat</td>
<td></td>
</tr>
<tr>
<td>Isopropyl alcohol, inhale</td>
<td>LD50</td>
<td>30mg/L , Rat</td>
<td></td>
</tr>
<tr>
<td>Xylene, inhale</td>
<td>LD50</td>
<td>6350 mg/L , Rat</td>
<td></td>
</tr>
</tbody>
</table>

**Potential Health Effects:**

**Eye:** May cause mild irritation.

**Skin:** Prolonged contact may cause mild irritation of the skin.

**Inhalation:** No adverse effects expected at ambient temperatures. Inhalation of vapors and fumes from thermal decomposition may cause respiratory irritation.

**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.

Section 12 – Ecological Information

**Aquatic toxicity:** Hazardous for water, do not empty into drains

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other Adverse Effects:** No further information available

Section 13 – Disposal Consideration

**Waste disposal:** Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Incineration is the preferred method of disposal, although it may be landfilled at an approved facility.
Section 14 - Transport Information

**DOT Proper Shipping Name:** UN1950, Aerosols, 2.1, Limited Quantity  
**DOT Technical Name:** None  
**DOT Hazard Class:** 2.1  
**UN Number:** UN1950  
**DOT Labels Required (49CFR172.101):** LTD QTY  

**IMDG Shipping Description:** UN1950, Aerosols, 2.1, FP -17 C, Limited Quantity,  
**ID Number:** UN1950  
**Hazard Class:** 2.1  
**Packing Group:** None  
**Marking Required:** Limited Quantity Mark  
**Placards Required:** Limited Quantity and Marine Pollutant Mark On Transport Containers

**ICAO/IATA**  
**Proper shipping name:** Aerosol, Flammable  
**Hazard Class:** 2.1  
**Identification Number:** UN 1950  
**Packing Group:** None

Section 15 – Regulatory Information

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

**CERCLA Hazardous Substances (Section 103)/RQ:** None  
**SARA Hazard Category (311/312):** Fire Hazard, Pressure Hazard, Acute Health  
**SARA 313:** This product contains the following chemicals regulated under SARA Title III, section 313: Toluene 108-88-3, isopropyl alcohol 67-63-0, xylene 1330-20-7 (mix)  
**EPA TSCA Inventory:** All of the components of this product are listed on the TSCA inventory.

**CALIFORNIA PROPOSITION 65:** This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity:  
**Ethyl Benzene** CAS 100-41-4, Cancer  
**Toluene** CAS 108-88-3, Reproductive

Section 16 – Other Information:

The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.