# MATERIAL SAFETY DATA SHEET

## Manufacturers Information

<table>
<thead>
<tr>
<th>Manufacturer:</th>
<th>Sumiden Wire Products Corporation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>710 Marshall Stuart Drive, Dickson, TN 37055</td>
</tr>
<tr>
<td>Phone Number:</td>
<td>(615) 446-3199</td>
</tr>
<tr>
<td>Issue Date:</td>
<td>April 4, 2011</td>
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<tr>
<td>Prepared By:</td>
<td>Jonathan Ellis</td>
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</tbody>
</table>

## Product Name

**Stainless Steel Spring Wire Type 316V**

## Chemical Name

Stainless Steel

## Ingredient

<table>
<thead>
<tr>
<th>Base Element (% by mass):</th>
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</thead>
<tbody>
<tr>
<td>Fe: (Balance from Alloying Elements)</td>
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</tbody>
</table>

### Alloying Elements (% by mass):

- C: 0.03 max
- Si: 0.75 max
- Mn: 2.00 max
- P: 0.040 max
- S: 0.010 max
- Ni: 13.00-15.00
- Cr: 17.00-19.00
- N: 0.10 max
- Mo: 2.25-3.00 max

### Surface Coating:
- Nickel and Sulfate (Na and K)
- Stearate (Ca and Na)

## Physical Data

1) Physical State: Solid
2) Appearance: Metal Gray
3) Odor: Odorless
4) Melting/Boiling Point: N/A

## Personal Protection Information

1) Respiratory Protection: NIOSH/MSHA approved dust and fume respirator should be
used is OSHA PEL is exceeded.

2) Hands, Arms, Body, Eyes and Face Protection: Use appropriate protective clothing, face shield when welding, burning or grinding.

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**Emergency Medical Procedures**

First Aid: In case of excessive exposure to fumes or particulates, remove exposed person to fresh air, and if necessary administer oxygen and seek physician’s assistance.

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**Safety Information**

1) Fire and Explosion: Steel products in the solid state present no fire or explosion hazard unless it is particulate or exposes in excessive oxygen.

2) Reactivity: Stable under normal conditions.

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**Spill Leak and Disposal Procedure**

1) Spill and Leak: N/A to steel products in the solid state

2) Disposal: N/A