



# SUMIDEN WIRE

— PRODUCTS CORPORATION —

## MATERIAL SAFETY DATA SHEET

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### Manufacturers Information

Manufacturer: Sumiden Wire Products Corporation  
Address: 710 Marshall Stuart Drive, Dickson, TN 37055  
Phone Number: (615) 446-3199  
Issue Date: April 4, 2011  
Prepared By: Jonathan Ellis

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**Product Name**                      **Stainless Steel Spring Wire Type 631 (17-7 PH)**

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**Chemical Name**                      Stainless Steel

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**Ingredient**                              Base Element (% by mass):

Fe:            (Balance from Alloying Elements)

Alloying Elements (% by mass):

C:            0.09 max  
Si:           1.00 max  
Mn:          1.00 max  
P:            0.040 max  
S:            0.030 max  
Ni:          6.50-7.80  
Cr:          16.00-18.00  
Al:          0.75-1.50  
Mo:         0.50 max

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

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### Physical Data

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

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### 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