



SUMIDEN WIRE

— PRODUCTS CORPORATION —

MATERIAL SAFETY DATA SHEET

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

Product Name **Stainless Steel Spring Wire Type 316**

Chemical Name Stainless Steel

Ingredient Base Element (% by mass):

Fe: (Balance from Alloying Elements)

Alloying Elements (% by mass):

C: 0.07 max
Si: 1.00 max
Mn: 2.00 max
P: 0.045 max
S: 0.030 max
Ni: 10.50-13.50
Cr: 16.50-18.00
N: 0.10 max
Mo: 2.00-2.50 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.

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.

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.

Spill Leak and Disposal Procedure

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