



# MATERIAL SAFETY DATA SHEET FOR STAINLESS STEEL SPRING WIRE TYPE 631 (17-7PH)

<b>Manufacturing Facility, Company or Subsidiary:</b>	Sumiden Wire Products Corporation
<b>Address:</b>	710 Marshall Stuart Drive Dickson, Tennessee 37055
<b>Phone (During normal business hours):</b>	615-446-3199
<b>Date of Preparation:</b>	October 17, 2002
<b>Product Name or Number:</b>	Stainless Steel Spring Wire Type 631 (17-7PH)
<b>Chemical Name:</b>	Stainless Steel

## Ingredients

<b>Base Metals:</b>				
	Fe:	(Balance)		
<b>Alloying Elements: (mass %)</b>				
	C:	0.09 Max.	Si:	1.00 Max.
	Mn:	1.00 Max.	P:	0.040 Max.
	S:	0.030 Max.	Ni:	6.50 – 7.75
	Cr:	16.00 – 18.00	Al:	0.75 – 1.50
	Mo:	0.75 Max.	Cu:	0.50 Max.
<b>Surface Coating:</b>				
	Coating:	Ni & Sulfate (Na, K), Sulfate (Na, K)		
	Lubricant:	Stearate (Ca, Na)		

## Physical Data

Physical State: Solid  
Appearance and Odor: Metal Grey, Odorless  
Melting Point, Boiling Point: N/A

## Personal Protection Information

Respiratory Protection: NIOSH/MSHA approved dust and fume respirator should be used if OSHA PEL is exceeded.  
Hands, Arms, Body, Eyes, 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

Fire and Explosion: Steel products in the solid state present no fire or explosion hazard unless it is particulate or exposed in excessive oxygen.  
Reactivity: Stable under normal condition.

## Spill Leak and Disposal Procedure

Spill and Leak: N/A to steel products in the solid state.  
Disposal: N/A

### SUMIDEN WIRE PRODUCTS CORPORATION

Sales/Manufacturing: 710 Marshall Stuart Drive • Dickson, Tennessee 37055 • 615-446-3199 • 615-446-3197  
Sales: San Clemente, California – 949-366-9577

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