

# Material Safety Data Sheet

Revised June 21, 2011

## 1-PRODUCT AND COMPANY INFORMATION

Common Name, Trade Name, or Specification:

SS316

Lewco Specialty Products, Inc.

6859 Renoir Ave., Baton Rouge, LA 70806

Company Telephone No.:225-924-3221

Company FAX: 225-927-2918

## 2-IDENTIFICATION INFORMATION

### CAS

COMPONENT	NUMBER	%	OSHA PEL	ACGIH TLV
Nickel	7440-02-0		<11	1mg/m3 0.05mg/m3]
Chromium	7440-47-3		<19	0.5mg/m3 0.5mg/m3
Manganese(powder)	7439-96-5		<2	5mg/m3 0.2mg/m3
Molybdenum	7439-98-7		<3	0.05mg/m3 0.05mg/m3
Silica	7631-86-9		<2	0.05mg/m3 0.05mg/m3

## 3-HAZARDS IDENTIFICATION

Carcinogenicity	NTP Listed	IARC Listed	NIOSH Listed	OSHA Listed
Nickel	Yes	Yes	Yes	No
Chromium	No	No	No	No
Manganese(powder)	No	No	No	No
Molybdenum	No	No	No	No
Silica	Yes	Yes	Yes	No

## 4-FIRST AID MEASURES

**Inhalation:** Move to fresh air. Obtain medical attention.

**Eyes:** Flush with water to remove particulate. Obtain medical attention.

**Skin:** Wash thoroughly with soap and water. If persistent irritation develops, obtain medical attention.

**Ingestion:** Obtain medical attention.

## 5-FIRE FIGHTING MEASURES

**Auto-ignition Temperature:** This product is inherently flame resistant.

**Flammable Limits in Air:** % in Air by Volume: LEL: N/A UEL: N/A

**Extinguisher Media:** Carbon dioxide, chemical, or foam

**Special Firefighting Procedure:** Material in or near fires should be cooled with a water spray or fog. A self-contained breathing apparatus, operating in the positive pressure mode, and full fire fighting protective clothing should be worn for combative fires.

**Unusual Fire and explosion Hazards:** Thermal decomposition or combustion may produce dense smoke, oxides of carbon, and low molecular weight organic compounds whose composition has not been characterized.

## **6-ACCIDENTAL RELEASE MEASURES**

If a release of dust occurs during machining, abrading, or riveting, remove dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust from the workplace.

## **7-HANDLING AND STORAGE**

Shipping and storage may result in accumulation of dust in shipping containers. If this occurs, dispose of the container in an airtight polyethylene bag (see disposal instructions below) or remove dust by vacuuming or wet mopping. Vacuums used for this purpose should be equipped with HEPA filters. Do not use compressed air to blow dust from storage containers.

## **8-EXPOSURE PREVENTION MEASURES**

**Respiratory Protection:** Use NIOSH-approved respirator if exposure to dust, vapors, or fumes in concentrations exceeding PEL's or TLV's possible.

**Ventilation:** Any operations which may produce dust, including machining, grinding, riveting, or abrading of this product, should be adequately exhausted to prevent inhalation of dust.

**Personal Protective Equipment:** Suitable respiratory protection should be worn if dust exposure is possible. All regulations and safe practices related to the use of respiratory protection must be observed. Refer to OSHA standards and NIOSH guidelines. If skin irritation occurs, gloves and other protective garments may be worn.

## **9-PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point-None      Solubility in water-Insoluble      Order-None

Color-Silver      Specific Gravity-1.0-1.5      Form-Solid

## **10-STABILITY AND REACTIVITY**

**Stability:** Stable at normal temperatures and storage conditions

**Incompatibility:** None

**Hazardous Decomposition Products:** None

**Hazardous Polymerization:** Will not polymerize. This product is fully cured in the

manufacturing process.

## **11-TOXICOLOGICAL INFORMATION**

### **NICKEL**

Inhalation hazards-Prolonged exposure may cause headache, vertigo, nausea, and vomiting, and may cause reproductive problems.

Other hazards-Acute contact exposure may cause allergic contact dermatitis, pulmonary asthma, conjunctivitis, and inflammatory reactions around nickel-containing medical implants and prostheses.

Prolonged contact may cause substernal pain, cough, hyper-pnea, weakness, cyanosis, leukocytosis, pneumonitis, convulsions, and delirium. Ingestion may produce gastroenteric irritation resulting in vomiting, inflammation, and epigastric pain.

### **CHROMIUM**

Inhalation hazards-Acute: exposure may result in cough and irritation of the respiratory system.

Chronic: Prolonged exposure may cause histologic fibrosis of the lungs.

Other hazards-Poisonous by ingestion; may cause severe gastrointestinal irritation.

### **MANGANESE (POWDER)**

Mainly for chronic poisoning, damage the central nervous system especially prominent extra pyramidal Commission. Mainly headache, dizziness, memory impairment, drowsiness, tachycardia, sweating, heavy legs and walk slower pace, stuttering, easily agitated, and so on. There are serious "nature of manganese Parkinson's syndrome," characterized by facial dull, weak, emotional apathy, language ambiguous situation, limb rigidity, muscular tremor, walk dashes, vulnerable fall back, writing difficulties.

### **MOLYBDENUM**

Inhalation hazards-Dust may cause irritation of nasal and respiratory passages.

Other hazards-Molybdenum may be an eye irritant. Ingestion may cause diarrhea, loss of weight, liver and kidney damage.

### **SILICA DUST**

Inhalation hazards-Acute: Exposure to silica dust may cause paroxysmal coughing, wheezing, dyspnea and upper respiratory tract irritation. Chronic: Prolonged exposure to silica dust may cause silicosis.

Other hazards-Eye or skin contact can cause temporary discomfort and irritation.

## **12-ECOLOGICAL INFORMATION**

No ecological test data has been developed. impact to aquatic, terrestrial and air environmental media is judged as insignificant

## **13-DISPOSAL CONSIDERATIONS**

Disposal of solid waste is regulated by law. Waste should be placed in airtight containers, and disposed of properly. Contact local regulatory agency for guidance.

#### **14-TRANSPORT INFORMATION**

Not regulated as a hazardous material by DOT (China Department of Transportation) or IMO.

Ship in sealed boxes appropriately rated for weight capacity

#### **15-REGULATORY INFORMATION**

Labor Safety and Health Act

Waste Disposal Act

#### **16-OTHER INFORMATION**

The information and recommendations set forth herein are taken from sources believed to be accurate as of the information or the suitability of the recommendations, and assumes no liability, including direct, incidental or consequential damages for any reliance thereon.

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