

MATERIAL SAFETY DATA SHEET

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1. Chemical Product Identification

Productname: Stainless Steel Attachments, Screws, Wires, Springs and other stainless steel products
Productcode: -

2. Composition / Information on Ingredients

| Product contents: | | | | |
|------------------------|------------|-------------|------------|-------------|
| - | | | | |
| Hazardous Ingredients: | Ingredient | Wt. Percent | NTP Listed | IARC Listed |
| | Iron | 0-80% | No | No |
| | Chromium | 13-23% | Yes | Yes |
| | Nickel | 3-45% | No | Yes |
| | Manganese | 0-3% | No | No |
| | Molybdenum | 0-12% | No | No |
| | Cobalt | 0-37% | No | No |
| | Copper | 0-5% | No | No |
| | Silicon | 0-5% | No | No |
| | Aluminum | 0-5% | No | No |
| | Niobium | 0-5% | No | No |

3. Hazards Identification

Name of Hazard See table #2
Environmental hazards The above listing is a summary of elements used in alloying stainless steels. Various grades of stainless steel will contain different combinations of these elements. Trace elements may also be present in minute amounts.
Coatings: Certain materials such as lime, alkaline salts or oils and certain residuals (<1% total weight of product) may remain on the product surface.
Notes: 1. National Toxicology Program-Annual Report on Carcinogens.
2. International Agency for Research on Cancer.

4. First Aid Measures

First aid for inhalation: Move person to fresh air until recovered, consult a physician.
First aid for skin: Excessive or prolonged skin contact may cause irritation in sensitized persons. Wash with water and mild detergent, consult a physician.
First aid for eyes: Flush thoroughly with water, consult a physician.
First aid for ingestion: While ingestion of large enough quantities to cause health effects is unlikely, consult a physician if it occurs.

5. Fire Fighting Measures

Suitable extinguishing media: n.A.
Extinguishing media which should not used: n.A.
Special exposure hazards from combustion products: n.A.
Special protective equipment for fire-fighters: n.A.

6. Accidental Release Measures

Personal precautions: n.A.
Environmental precautions: n.A.
Methods for cleaning up: Mechanical sweep up.

7. Handling and Storage

Handling precautions: n.A.
Safe storage conditions: n.A.
Handling/storage precautions: n.A.
Other restrictions or recommendations: n.A.

8. Personal protection

Respiratory protection: Required when cutting, grinding or welding.
Ventilation requirements: General
Protective clothing: Required when cutting, grinding or welding.
Unusual work/Hygienic practices: Follow standard laboratory safety practices.

9. Physical and chemical properties

Appearance: -
Odor : -
ph: (20°C) -
Boiling point/range: n.A.
Melting point/range: 1100-3050
Auto-ignition temperature: n.A.
Flash point: n.A.
Flammability: n.A.
Explosive limits in air: n.A.
Oxidizing properties: -
Vapor pressure: Nil
Vapor density: (Air =1) n.A.
Specific gravity: (H2O=1): 4,5-18
Solubility in water: insolubility
Reactivity in water: n.A.
Other data: n.A.

10. Stability and Reactivity

Stability: Stable
Hazardous polymerization: n.A.
Incompatibilities: none
Instability conditions: none
Hazardous decomposition: none
Products: none.
Conditions to avoid: none

11. Toxicological information

Potential acute health effects: Stainless steel alloys are generally not considered hazardous in the form shipped. However,
Potential chronic health effects: if your process involves grinding, melting, welding, cutting or any other procedure that causes
Signs and Symptoms of exposure: a release of dust or fumes, hazardous levels of dust or fumes of these alloys constituents
Other potential effects: may be generated. Following is a list of potential health effects for all of those specific elements contained in this particular alloy.

12. Ecological information

n.A.

13. Disposal considerations

Waste disposal method: Local regulations.

14. Transportation information

UN classification: n.A.
Identification: n.A.
Special provisions for transport: n.A.

15. Regulatory information:

EU medical device directive: 93/42 EEC

16. Other information

The information contained in the MSDS is believed to be valid and accurate.
Forestadent, however, makes no warranty, either expressed or implied, as to the completeness of information in all possible conditions.
Reasonable safety precautions must always be observed.

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