1. IDENTIFICATION

Product Identity / Trade Name: Stainless Steel

Product Use: Dental Applications

Manufacturer: Ultimate Wireforms, Inc.
200 Central Street, Bristol, CT 06010

Information Phone: (860) 582-9111
Emergency Phone: (860) 582-9111

Date of Preparation: April 8, 2016

2. HAZARD(S) IDENTIFICATION

Solid metallic products are generally classified as “articles” and do not constitute a hazardous material in their solid form. During processing, dusts and fumes generated have the following hazards:

Classification:

<table>
<thead>
<tr>
<th>Physical</th>
<th>Health</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Hazardous</td>
<td>Skin Sensitizer Category 1</td>
</tr>
<tr>
<td></td>
<td>Carcinogen Category 1B</td>
</tr>
<tr>
<td></td>
<td>Specific Target Organ Toxicity – Repeat Exposure</td>
</tr>
<tr>
<td></td>
<td>Category 1 (Lungs, Brain, and CNS )</td>
</tr>
<tr>
<td></td>
<td>Toxic to Reproduction Category 2</td>
</tr>
<tr>
<td></td>
<td>Respiratory Sensitizer Category 1B</td>
</tr>
</tbody>
</table>

Hazards not otherwise classified: None

Signal word

Danger!

Hazard statement(s)
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction
May cause cancer.
Causes damage to lungs, brain and CNS through prolonged or repeated exposure.
Suspected of damaging male fertility.

Precautionary statement(s)

Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust, or fume.
In case of inadequate ventilation wear respiratory protection.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

Storage
Store locked up.
Precautionary statement(s) continued

Disposal
Dispose of contents and container in accordance with local and national regulations.

Response
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. IF exposed or concerned: Get medical attention. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>10-&lt;25</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>1-&lt;10</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>0.1-&lt;2.5</td>
</tr>
<tr>
<td>Cobalt</td>
<td>7440-48-4</td>
<td>0.1-&lt;1%</td>
</tr>
</tbody>
</table>

The specific identity and/or exact percentage have been withheld as a trade secret.

4. FIRST-AID MEASURES

Ingestion: If dust is swallowed, seek medical attention.

Inhalation: If overexposed to dust or fumes remove victim to fresh air. If experiencing respiratory symptoms get immediate medical attention.

Eye Contact: Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation persists.

Skin Contact: Wash exposed skin with soap and water. If skin irritation or rash occurs: Get medical attention. Launder contaminated clothing before reuse.

Most important symptoms/effects, acute and delayed: Eye and skin contact with dust may cause mechanical irritation. May cause gastrointestinal effects if swallowed. Suspected of damaging male fertility. Causes damage to brain and CNS through prolonged or repeated exposure. Excessive exposure to welding fumes, gases or dust may cause irritation of eyes, nose or throat. Inhalation of dusts or fumes may cause an allergic respiratory response. Inhalation of fumes may result in metal fume fever (metallic taste in mouth, dryness and irritation of throat, chills and fever). Causes damage to lungs through prolonged or repeated inhalation. May cause an allergic skin reaction. May cause cancer.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required for allergic respiratory response.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Non-flammable. Will not support combustion. Use any media that is appropriate for the surrounding fire. Do not use water on molten metal.

Specific hazards arising from the chemical: At temperatures above the melting point, hazardous fumes containing metal oxides and other alloying elements may be produced.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus for all fires involving chemical products.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment (see section 8). Avoid contact with skin, eyes or clothing. Do not breathe dust or fume.
Environmental precautions: Avoid release into the environmental. Report releases as required by local, state and federal authorities.

Methods and materials for containment and cleaning up: Pick up material and place into a container for disposal or reprocessing. If dust is present, wet down and collect in a manner to minimize the generation of airborne dusts or vacuum with a high efficiency vacuum cleaner. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air.).

7. HANDLING AND STORAGE

Precautions for safe handling: Not applicable to stainless steel in solid state. For dusts or fumes created during processing use the following precautions: Avoid contact with eyes, skin and clothing. Avoid creating and breathing dusts. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Do not eat, drink or smoke when using this material. Launder contaminated clothing before re-use. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities: No special storage conditions for stainless steel in solid state. Store away from acids and incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>0.2 mg/m³ TWA (inhalaable fraction)</td>
<td>1.0 mg/m³ TWA</td>
</tr>
<tr>
<td>Chromium</td>
<td>0.5 mg/m³ TWA inhalable fraction</td>
<td>1.0 mg/m³ TWA</td>
</tr>
<tr>
<td>Manganese (fume)</td>
<td>0.1 mg/m³ TWA (inhalaable)</td>
<td>5 mg/m³ Ceiling</td>
</tr>
<tr>
<td></td>
<td>0.02 mg/m³ TWA (respirable)</td>
<td></td>
</tr>
<tr>
<td>Cobalt</td>
<td>0.02 mg/m³ TWA</td>
<td>0.1 mg/m³ TWA  (as metal dust and fume)</td>
</tr>
</tbody>
</table>

Appropriate engineering controls: Use local exhaust or general ventilation as required to minimize exposure to dust and fumes; and to maintain the concentration of contaminants below occupational applicable limits.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Use NIOSH approved respirator if exposure limits are exceeded or where dust/fume exposures are excessive. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Wear protective gloves. Fire/flame resistant/retardant clothing may be appropriate during hot work with the product.

Eye protection: Safety glasses with side shields.

Other: Protective clothing as needed to prevent contamination of personal clothing. Thermal protection as needed when working with heated material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Solid silver-gray metallic.

Odor: No Odor

<table>
<thead>
<tr>
<th>Odor threshold</th>
<th>pH</th>
<th>Melting point/freezing point</th>
<th>Boiling Point</th>
<th>Flash point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
<td>1371 - 1538 °C / 2500 - 2800 °F</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Flammability (solid, gas): Not applicable
Flammable limits: LEL: Not applicable UEL: Not applicable
Vapor pressure: Not applicable Vapor density: Not applicable
Relative density: 7.65 – 7.94 Solubility(ies): Not soluble
Partition coefficient: n-octanol/water: Not applicable
Auto-ignition temperature: Not applicable
Decomposition temperature: Not applicable Viscosity: Not applicable

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.
Chemical stability: Stable.
Possibility of hazardous reactions: Can react with strong acids to form hydrogen gas.
Conditions to avoid: None
Incompatible materials: Oxidizers and strong acids.
Hazardous decomposition products: At temperatures above the melting point, hazardous fumes containing metal oxides and other alloying elements may be liberated to include Hexavalent chromium.

11. TOXICOLOGICAL INFORMATION

Routes of exposure:
Ingestion: None expected under normal use conditions. May cause gastrointestinal effects if swallowed.
Inhalation: Excessive exposure to fumes, gases or dust may cause irritation of nose or throat. Inhalation of dusts / fumes may cause an allergic respiratory response. Inhalation of fumes may result in metal fume fever (metallic taste in mouth, dryness and irritation of throat, chills and fever). Causes damage to lungs through prolonged or repeated inhalation.
Eye: Dust particles or filings may cause abrasive injury to the eyes.
Skin: May cause mechanical irritation or abrasions. May cause an allergic skin reaction.
Chronic: Long-term overexposure to dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Causes damage to lungs through prolonged or repeated inhalation. Causes damage to brain and CNS through prolonged or repeated exposure. Suspected of damaging male fertility.
Carcinogenicity: Nickel compounds are classified by IARC as 1A Carcinogenic to Humans, and by the NTP as Known to Be a Human Carcinogen. Cobalt compounds are classified by IARC as 2B Possibly Carcinogenic to Humans. None of the other components listed at 0.1% or greater is listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.
Numerical measures of toxicity:
Nickel: Oral rat LD50 > 9000 mg/kg
Chromium: Oral rat LD50 > 5000 mg/kg
Manganese: Oral rat LD50 > 2000 mg/kg, Inhalation rat LC50 > 5.14 mg/L
Cobalt: Oral rat LD50 550 mg/kg, Dermal rat LD50 > 2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Nickel: 96 hr. LC50 Oncorhynchus mykiss 15.3 mg/L
Manganese: 96 hr. LC50 Oncorhynchus mykiss LC50 > 3.6 mg/L

Persistence and degradability: Biodegradation is not applicable to inorganic compounds.
Bioaccumulative potential: No data available
Mobility in soil: No data available.
Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS
Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description: Not Regulated

15. REGULATORY INFORMATION

SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>1-10</td>
<td>0.1</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>10-&lt;25</td>
<td>1.0</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>0.1-&lt;2.5</td>
<td>1.0</td>
</tr>
<tr>
<td>Cobalt</td>
<td>7440-48-4</td>
<td>0.1-1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
- Acute health hazard: Yes
- Chronic Health Hazard: Yes
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):
- Nickel: CAS# 7440-02-0
- Chromium: CAS# 7440-47-3

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>100 lbs.</td>
</tr>
<tr>
<td>Chromium</td>
<td>5000 lbs.</td>
</tr>
</tbody>
</table>

US State Regulations
California Proposition 65
This product contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Cobalt Metal powder</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

INTERNATIONAL INVENTORIES

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td></td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td></td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td></td>
</tr>
<tr>
<td>ENCS</td>
<td></td>
</tr>
<tr>
<td>IECSC</td>
<td></td>
</tr>
<tr>
<td>KECL</td>
<td></td>
</tr>
<tr>
<td>PICCS</td>
<td></td>
</tr>
<tr>
<td>AICS</td>
<td></td>
</tr>
</tbody>
</table>

Legend:
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

16. OTHER INFORMATION

Date Previous Revision: October 29, 2015
Date This Revision: April 8, 2016
Revision Summary: Changed all sections. Updated format to GHS.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.