1. Identification

Product identifier

Product Name: FeltWorks™ Acoustical Panel Magnet (FW Magnet)

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use: Ceilings and Walls Direct Attach

Restrictions on use: No information available.

Details of the supplier of the safety data sheet

Initial supplier identifier: Armstrong World Industries
255 Montpellier Blvd
St. Laurent, Quebec
Canada H4N 2G3
Tel: 877-276-7876
techline@armstrongceilings.com

Supplier Address: Armstrong World Industries
2500 Columbia Avenue
Lancaster, PA 17603
Tel: 877-276-7876
techline@armstrongceilings.com

Emergency telephone number

Emergency Telephone: 1-800-255-3924 (ChemTel)

2. Hazard(s) identification

Classification

This product is an article as defined by the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200) and Canada WHMIS 2015, which includes the amended Hazardous Products Act (HPA). No exposure to hazardous chemicals is expected to occur during intended product use. Misuse of the product may result in exposure to hazards.

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Danger

Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Suspected of causing cancer
Precautionary Statements - Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace.

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention. Specific treatment (see supplemental first aid instructions on this label).
Skin
IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation
IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

Other information
Toxic to aquatic life with long lasting effects. Toxic to aquatic life. Product contents include neodymium magnets which are powerful. These magnets may affect the operation of implanted medical devices (such as pacemakers and ICDs) and magnetic media. Magnets are brittle and can break or splinter upon impact. Gloves and protective glasses are recommended.

3. Composition/information on ingredients

Substance
Not applicable.

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Hazardous Material Information Review Act registry number (HMIRA registry #)</th>
<th>Date HMIRA filed and date exemption granted (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>60-70</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Nickel</td>
<td>7440-02-0</td>
<td>0.5-1</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>0.1-0.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cobalt</td>
<td>7440-48-4</td>
<td>0.1-0.5</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

4. First-aid measures

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

Inhalation
May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use
barrier to give mouth-to-mouth resuscitation. Get immediate medical advice/attention.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids.

Skin contact
Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

Ingestion
May produce an allergic reaction. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed
Symptoms
May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/or wheezing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Note to physicians
May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures
Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
None known based on information supplied.

Specific hazards arising from the chemical
Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. May cause sensitization by skin contact.

Explosion data
Sensitivity to mechanical impact
None.

Sensitivity to static discharge
None.

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
Personal precautions
Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information
Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up
Methods for containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers.
7. Handling and storage

Precautions for safe handling

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Provide extract ventilation to points where emissions occur. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel 7440-02-0</td>
<td>TWA: 1.5 mg/m$^3$ inhalable particulate matter</td>
<td>TWA: 1 mg/m$^3$ (vacated) TWA: 1 mg/m$^3$</td>
<td>IDLH: 10 mg/m$^3$ TWA: 0.015 mg/m$^3$</td>
</tr>
<tr>
<td>Copper 7440-50-8</td>
<td>TWA: 0.2 mg/m$^3$ fume</td>
<td>TWA: 0.1 mg/m$^3$ fume TWA: 1 mg/m$^3$ dust and mist (vacated) TWA: 0.1 mg/m$^3$ Cu dust, fume, mist</td>
<td>IDLH: 100 mg/m$^3$ dust, fume and mist TWA: 1 mg/m$^3$ dust and mist TWA: 0.1 mg/m$^3$ fume</td>
</tr>
<tr>
<td>Cobalt 7440-48-4</td>
<td>TWA: 0.02 mg/m$^3$ inhalable particulate matter</td>
<td>TWA: 0.1 mg/m$^3$ dust and fume (vacated) TWA: 0.05 mg/m$^3$ dust and fume</td>
<td>IDLH: 20 mg/m$^3$ dust and fume TWA: 0.05 mg/m$^3$ dust and fume</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel 7440-02-0</td>
<td>TWA: 1.5 mg/m$^3$</td>
<td>TWA: 0.05 mg/m$^3$</td>
<td>TWA: 1 mg/m$^3$</td>
<td>TWA: 1 mg/m$^3$</td>
</tr>
<tr>
<td>Copper 7440-50-8</td>
<td>TWA: 0.2 mg/m$^3$</td>
<td>TWA: 1 mg/m$^3$</td>
<td>TWA: 0.2 mg/m$^3$</td>
<td>TWA: 0.2 mg/m$^3$</td>
</tr>
<tr>
<td>Cobalt 7440-48-4</td>
<td>TWA: 0.02 mg/m$^3$</td>
<td>TWA: 0.02 mg/m$^3$</td>
<td>TWA: 0.02 mg/m$^3$</td>
<td>TWA: 0.02 mg/m$^3$</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Hand protection
Wear suitable gloves.

Skin and body protection
Wear suitable protective clothing.
Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks · Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid (compressed)</td>
<td></td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Varies</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability or explosive limits</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower flammability or explosive limits</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Softening point</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Liquid Density</td>
<td>No information available.</td>
<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available.</td>
<td></td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity

None under normal use conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing.
Conditions to avoid
None known based on information supplied.

Incompatible materials
None known based on information supplied.

Hazardous decomposition products
None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information
Exposure is not expected for product under normal conditions of use.

Inhalation
Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components).

Eye contact
Specific test data for the substance or mixture is not available.

Skin contact
Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). May cause sensitization by skin contact.

Ingestion
Specific test data for the substance or mixture is not available. May cause additional affects as listed under "Inhalation".

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron</td>
<td>= 30 g/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nickel</td>
<td>&gt; 9000 mg/kg (Rat)</td>
<td>&gt; 10.2 mg/L (Rat) 1 h</td>
<td></td>
</tr>
<tr>
<td>Cobalt</td>
<td>= 6171 mg/kg (Rat)</td>
<td>&gt; 10 mg/L (Rat) 1 h</td>
<td></td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
No information available.

Serious eye damage/eye irritation
No information available.

Respiratory or skin sensitization
Classification based on individual ingredients of the mixture. May cause sensitization by inhalation. May cause sensitization by skin contact.

Germ cell mutagenicity
No information available.

Carcinogenicity
Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.
The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>-</td>
<td>Group 2B</td>
<td>Reasonably Anticipated</td>
<td>X</td>
</tr>
<tr>
<td>7440-02-0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cobalt</td>
<td>A3</td>
<td>Group 2B</td>
<td>Reasonably Anticipated</td>
<td>X</td>
</tr>
<tr>
<td>7440-48-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

12. Ecological information

Ecotoxicity
Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>EC50: =0.18mg/L</td>
<td></td>
<td>EC50: =1mg/L (48h, Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>7440-02-0</td>
<td>(72h, Pseudokirchneriella subcapitata) EC50: 0.174 - 0.311mg/L (96h, Pseudokirchneriella subcapitata)</td>
<td>LC50: &gt;100mg/L (96h, Brachydanio rerio)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: 10.4mg/L (96h, Cyprinus carpio)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: =1.3mg/L (96h, Cyprinus carpio)</td>
<td></td>
</tr>
<tr>
<td>Copper</td>
<td>EC50: 0.031 - 0.054mg/L (96h, Pseudokirchneriella subcapitata) EC50: 0.0426 - 0.0535mg/L (72h, Pseudokirchneriella subcapitata)</td>
<td>LC50: =0.3mg/L (96h, Cyprinus carpio) LC50: =1.25mg/L (96h, Lepomis macrochirus)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7440-50-8</td>
<td></td>
<td></td>
<td>LC50: 0.112mg/L (96h, Poecilia reticulata)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: 0.052mg/L (96h, Oncorhynchus mykiss)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: 0.0068 - 0.0156mg/L (96h, Pimephales promelas)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: 0.2mg/L (96h, Pimephales promelas)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: &lt;0.3mg/L (96h, Pimephales promelas)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LC50: =0.8mg/L (96h, Cyprinus carpio)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>EC50: =0.03mg/L (48h, Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
No information available.
Bioaccumulation No information available.

Mobility in soil No information available.

Other adverse effects No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

RCRA (Resource Conservation and Recovery Act) waste information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>RCRA</th>
<th>RCRA - Basis for Listing</th>
<th>RCRA - D Series Wastes</th>
<th>RCRA - U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel 7440-02-0</td>
<td>-</td>
<td>Included in waste streams: F006, F039</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel 7440-02-0</td>
<td>Toxic powder Ignitable powder</td>
</tr>
<tr>
<td>Copper 7440-50-8</td>
<td>Toxic</td>
</tr>
<tr>
<td>Cobalt 7440-48-4</td>
<td>Toxic powder Ignitable powder</td>
</tr>
</tbody>
</table>

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable
The Rotterdam Convention  Not applicable

International Inventories

TSCA  Contact supplier for inventory compliance status.

DSL/NDSL  Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel - 7440-02-0</td>
<td>0.1</td>
</tr>
<tr>
<td>Copper - 7440-50-8</td>
<td>1.0</td>
</tr>
<tr>
<td>Cobalt - 7440-48-4</td>
<td>0.1</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

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).

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel - 7440-02-0</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Copper - 7440-50-8</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
</tbody>
</table>

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>
<th>Extremely Hazardous Substances RQs</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel - 7440-02-0</td>
<td>100 lb</td>
<td>-</td>
<td>RQ 100 lb final RQ</td>
</tr>
<tr>
<td>Copper - 7440-50-8</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 45.4 kg final RQ</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 - 7440-02-0</td>
<td>Carcinogen</td>
</tr>
<tr>
<td>Cobalt - 7440-48-4</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

US State Regulations

<p>| Chemical name     | New Jersey | Massachusetts | Pennsylvania |
|-------------------|------------|---------------|--------------|--------------|</p>
<table>
<thead>
<tr>
<th>Substance</th>
<th>NFPA Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boron 7440-42-8</td>
<td></td>
<td>X</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Nickel 7440-02-0</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Aluminum 7429-90-5</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Cobalt 7440-48-4</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Zirconium 7440-67-7</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**U.S. EPA Label Information**

EPA Pesticide Registration Number  Not applicable

**16. Other information**

**NFPA**  
Health hazards 2  
Flammability 0  
Instability 0  
Physical and chemical properties -

**HMIS**  
Health hazards 2 *  
Flammability 0  
Physical hazards 0  
Personal protection X

*Chronic Hazard Star Legend*  
* = Chronic Health Hazard

**Key or legend to abbreviations and acronyms used in the safety data sheet**

- **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**
  
  - TWA  
  - STEL (Short Term Exposure Limit)
  
  - Ceiling  
  - Maximum limit value
  
  - Skin designation

**Key literature references and sources for data used to compile the SDS**

- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGL(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals
- Food Research Journal
- Hazardous Substance Database
- International Uniform Chemical Information Database (IUCLID)
- Japan GHS Classification
- Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
- NIOSH (National Institute for Occupational Safety and Health)
- National Library of Medicine's ChemID Plus (NLM CIP)
- National Toxicology Program (NTP)
- New Zealand's Chemical Classification and Information Database (CCID)
- Organization for Economic Co-operation and Development High Production Volume Chemicals Program
- Organization for Economic Co-operation and Development Screening Information Data Set
- World Health Organization

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**Revision Note**  
Initial Release.

**Disclaimer**

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materials or in any process, unless specified in the text.

End of Safety Data Sheet