SAFETY DATA SHEET

1. Identification

Product identifier
Other means of identification
SDS number
Synonyms
Manufacturer Information
Manufacturer
Company name
Address
Telephone
Website
E-mail
Emergency phone number

Metalized Beryllia Ceramic
C11
Beryllium Oxide, Beryllia Berlox, Berlon
American Beryllia Incorporated
16 First Avenue
Haskell, New Jersey 07420
United States
(973) 248-8080
www.americanberyllia.com
info@americanberyllia.com
800-424-9300

2. Hazard(s) Identification

<table>
<thead>
<tr>
<th>Physical hazards</th>
<th>Not classified.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td></td>
</tr>
<tr>
<td>Sensitization, respiratory</td>
<td>Category 1</td>
</tr>
<tr>
<td>Sensitization, skin</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity, repeated exposure (Respiratory system)</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Environmental hazards Not classified.
Label elements

www.AmericanBeryllia.com
Signal word: Danger

Hazard statement: May cause cancer by inhalation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes damage to organs (respiratory system) through prolonged or repeated exposure.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Minimize dust generation and accumulation. Do not breathe dust/fume. 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/protective clothing/eyeprotection/face protection. In case of inadequate ventilation wear respiratory protection.

Precautionary statement: If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing.

Response: If exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. If experiencing respiratory symptoms: Call a poison center/doctor.

Storage: Store Locked up

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.

OSHA defined hazard: Not Defined

Supplemental information: For further information, please contact the Safety Department at (973) 248-8080

3. Composition/Information on Ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beryllium Oxide</td>
<td>Beryllium Oxide</td>
<td>1304-56-9</td>
<td>80 - 97</td>
</tr>
<tr>
<td></td>
<td>Beryllia</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Berlox</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Berlon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Molybdenum</td>
<td></td>
<td>7439-98-7</td>
<td>0 - 10</td>
</tr>
<tr>
<td>Nickel</td>
<td></td>
<td>7440-02-0</td>
<td>0 - 10</td>
</tr>
<tr>
<td>Silica</td>
<td></td>
<td>14808-60-7</td>
<td>0 - 4</td>
</tr>
<tr>
<td>Manganese</td>
<td></td>
<td>7439-96-5</td>
<td>0 - 2</td>
</tr>
<tr>
<td>Titanium</td>
<td></td>
<td>7440-32-6</td>
<td>0 - 2</td>
</tr>
<tr>
<td>Tungsten</td>
<td></td>
<td>7440-33-7</td>
<td>0 - 2</td>
</tr>
<tr>
<td>Gold</td>
<td></td>
<td>7440-57-5</td>
<td>0 - 1</td>
</tr>
</tbody>
</table>
4. First-aid Measures

**Inhalation**
If symptoms develop move victim to fresh air. For breathing difficulties, oxygen may be necessary. Breathing difficulty caused by inhalation of particulate requires immediate removal to fresh air. If breathing has stopped, perform artificial respiration and obtain medical help.

**Skin Contact**
Take off contaminated clothing and wash before reuse. Thoroughly wash skin cuts or wounds to remove all particulate debris from the wound. Seek medical attention for wounds that cannot be thoroughly cleansed. Treat skin cuts and wounds with standard first aid practices such as cleansing, disinfecting and covering to prevent wound infection and contamination before continuing work. Obtain medical help for persistent irritation. Material accidentally implanted or lodged under the skin must be removed.

**Eye Contact**
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if symptoms persist.

**Ingestion**
If swallowed, seek medical advice immediately and show this container or label. Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

**Most Important symptoms/effects, acute and delayed**
The beryllium oxide in the product is not known to cause acute health effects. Inhaling particulate containing beryllium oxide can cause a serious, chronic lung disease called Chronic Beryllium Disease (CBD) in some individuals. Inhaling particulate containing beryllium oxide can cause a serious, chronic lung disease called Chronic Beryllium Disease (CBD) in some individuals.

**Indication of immediate medical attention and special treatment needed**

**General**
Treatment of Chronic Beryllium Disease: There is no known treatment which will cure chronic beryllium disease. Prednisone or other corticosteroids are the most specific treatment currently available. They are directed at suppressing the immunological reaction and can be effective in diminishing signs and symptoms of chronic beryllium disease. In cases where steroid therapy has had only partial or minimal effectiveness, other immunosuppressive agents, such as cyclophosphamide, cyclosporine, or methotrexate, have been used. These latter agents remain investigational. Further, in view of the potential side effects of all the immunosuppressive medications, including steroids such as prednisone, they should be used only under the direct care of a physician. In general, these medications should be reserved for cases with significant symptoms and/or significant loss of lung function. Other symptomatic treatment, such as oxygen, inhaled steroids or bronchodilators, may be prescribed by some physicians and can be effective in selected cases.

The decision about when and with what medication to treat is a judgment situation for individual physicians. For the most part, treatment is reserved for those persons with symptoms and measurable loss of lung function. The value of starting oral steroid treatment, before signs or symptoms are evident, remains a medically unresolved issue.

The effects of continued low exposure to beryllium are unknown for individuals who are sensitized to beryllium or who have a diagnosis of chronic beryllium disease. It is generally recommended that persons who are sensitized to beryllium or who have CBD terminate their occupational exposure to beryllium.

If exposed or concerned: get medical attention/advice. Get medical attention if symptoms occur. Wash contaminated clothing before reuse. As supplied, there is no immediate medical risk with beryllium products in article form. First aid measures provided are related to particulate containing beryllium.

5. Fire-fighting Measures

**Suitable extinguishing media**
The product is non-combustible. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media

Do not use water to extinguish fires around operations involving molten metal due to the potential for steam explosions.

Specific hazards arising from the chemical

Not applicable.

Special protective equipment and precautions for firefighters

Firefighters should wear full protective clothing including self-contained breathing apparatus. Wear suitable protective equipment.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.

Specific methods

Pressure-demand self-contained breathing apparatus must be worn by firefighters or any other persons potentially exposed to the particulate released during or after a fire.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

In solid form this material poses no special clean-up problems. Wear appropriate protective equipment and clothing during clean-up.

Methods and materials for containment and cleaning up

Clean up in accordance with all applicable regulations.

Environmental precautions

Avoid release to the environment. In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions been read and understood. Minimize dust generation and accumulation. Do not breathe dust/fume. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection. Wash thoroughly after handling. When using, do not eat, drink or smoke. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Keep locked-up. Avoid contact with acids and alkalis. Avoid contact with oxidizing agents.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<p>| Components | Type | Value | Form |</p>
<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese (CAS 7439-96-5)</td>
<td>Ceiling</td>
<td>5 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Molybdenum (CAS 7439-98-7)</td>
<td>PEL</td>
<td>15 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td>Nickel (CAS 7440-02-0)</td>
<td>PEL</td>
<td>1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>US. OSHA Table Z-2 (29 CFR 1910.1000)</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>Metallized Beryllia Ceramic</td>
<td>Ceiling</td>
<td>0.005 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.002 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>Beryllium Oxide (CAS 1304-56-9)</td>
<td>Ceiling</td>
<td>0.005 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.002 mg/m³</td>
<td></td>
</tr>
<tr>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000)</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.3 mg/m³</td>
<td>Total dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.1 mg/m³</td>
<td>Respirable.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4 mppcf</td>
<td>Respirable.</td>
</tr>
<tr>
<td>US. ACGIH Threshold Limit Values</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Metallized Beryllia Ceramic</td>
<td>TWA</td>
<td>0.000005 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Beryllium Oxide (CAS 1304-56-9)</td>
<td>TWA</td>
<td>0.000005 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Nickel (CAS 7440-02-0)</td>
<td>TWA</td>
<td>1.5 mg/m³</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.025 mg/m³</td>
<td>Respirable fraction.</td>
</tr>
<tr>
<td>Tungsten (CAS 7440-33-7)</td>
<td>STEL</td>
<td>10 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td></td>
</tr>
<tr>
<td>US. NIOSH: Pocket Guide to Chemical Hazards</td>
<td>Type</td>
<td>Value</td>
<td></td>
</tr>
<tr>
<td>Metallized Beryllia Ceramic</td>
<td>Ceiling</td>
<td>0.0005 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Components</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Beryllium Oxide (CAS 1304-56-9)</td>
<td>Ceiling</td>
<td>0.0005 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Manganese (CAS 7439-96-5)</td>
<td>STEL</td>
<td>3 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Nickel (CAS 7440-02-0)</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>Fume.</td>
</tr>
<tr>
<td>Silica (CAS 14808-60-7)</td>
<td>TWA</td>
<td>0.015 mg/m³</td>
<td>Respirable dust.</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.05 mg/m³</td>
<td>Respirable dust.</td>
</tr>
</tbody>
</table>
Tungsten (CAS 7440-33-7)

STEL 10 mg/m³
TWA 5 mg/m³

Biological limit values No biological exposure limits noted for the ingredient.

Control parameters WET METHODS: Machining operations are usually performed under a liquid lubricant/coolant flood which assists in reducing airborne particulate. However, the cycling through of machine coolant containing finely divided particulate in suspension can result in the concentration building to a point where the particulate may become airborne during use. Certain processes such as sanding and grinding may require complete hooded containment and local exhaust ventilation. Prevent coolant from splashing onto floor areas, external structures or operators’ clothing. Utilize a coolant filtering system to remove particulate from the coolant.

WORK PRACTICES: Develop work practices and procedures that prevent particulate from coming in contact with worker skin, hair, or personal clothing. If work practices and/or procedures are ineffective in controlling airborne exposure or visual particulate from deposition on skin, hair, or clothing, provide appropriate cleaning/washing facilities. Procedures should be written that clearly communicate the facility’s requirements for protective clothing and personal hygiene. These clothing and personal hygiene requirements help keep particulate from being spread to non-production areas or from being taken home by the worker. Never use compressed air to clean work clothing or other surfaces.

Fabrication processes may leave a residue of particulate on the surface of parts, products or equipment that could result in employee exposure during subsequent material handling activities. As necessary, clean loose particulate from parts between processing steps. As a standard hygiene practice, wash hands before eating or smoking.

HOUSEKEEPING: Use vacuum and wet cleaning methods for particulate removal from surfaces. Be certain to de-energize electrical systems, as necessary, before beginning wet cleaning. Use vacuum cleaners with high efficiency particulate air (HEPA). Do not use compressed air, brooms, or conventional vacuum cleaners to remove particulate from surfaces as this activity can result in elevated exposures to airborne particulate. Follow the manufacturer’s instructions when performing maintenance on HEPA filtered vacuums used to clean hazardous materials.

Individual protection measures, such as personal protective equipment Eye/face protection Wear approved safety glasses, goggles, face shield and/or welder’s helmet when risk of eye injury is present, particularly during operations that generate particulate such as melting, casting, machining, grinding, welding and powder handling.

Skin protection Wear gloves to prevent contact with particulate or solutions. Wear gloves to prevent metal cuts and skin abrasions during handling. Protective over garments or work clothing must be worn by persons who may become contaminated with particulate during activities such as machining, furnace rebuilding, air cleaning equipment filter changes, maintenance, furnace tending, etc. Skin contact with this material may cause, in some sensitive individuals, an allergic dermal response. Particulate that becomes lodged under the skin has the potential to induce sensitization and skin lesions.

Respiratory protection When airborne exposures exceed or have the potential to exceed the occupational exposure limits, approved respirators must be used as specified by an Industrial Hygienist or other qualified professional. Respirator users must be medically evaluated to determine if they are physically capable of wearing a respirator. Quantitative and/or qualitative fit testing and respirator training must be satisfactorily completed by all personnel prior to respirator use. Users of tight fitting respirators must be clean shaven on those areas of the face where the respirator seal contacts the face. Use pressure-demand airline respirators when performing jobs with high potential exposures such as changing filters in a baghouse air cleaning device.
Thermal hazards  Not applicable.
General hygiene considerations  Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

### Appearance

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Various shapes.</td>
</tr>
<tr>
<td>Color</td>
<td>Grayish-white</td>
</tr>
</tbody>
</table>

### Odor

<table>
<thead>
<tr>
<th>Odor threshold</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Melting point/freezing point</th>
<th>2651 °F (1455 °C) estimated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range</td>
<td>4946 °F (2730 °C) estimated</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

| Flammability (solid, gas)     | Not applicable. |
| Upper/lower flammability or explosive limits |

| Flammability limit – lower(%) | Not applicable. |
| Flammability limit – upper(%) | Not applicable. |

| Explosive limit - lower (%)  | Not applicable. |
| Explosive limit - upper (%)  | Not applicable. |
| Vapor pressure               | 58.77 hPa estimated |
| Vapor density                | Not applicable. |
| Relative density             | Not applicable. |
| Solubility(ies)              | Not applicable. |
| Solubility (water)           | Not applicable. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature    | Not applicable. |
| Decomposition temperature    | Not applicable. |
| Viscosity                    | Not applicable. |
| Other information            | Not applicable. |
Density 3.95 g/cm³ estimated
Specific gravity 3.95 estimated

10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>The product is stable and non-reactive under normal conditions of use, storage and transport.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Material is stable under normal conditions.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid dust formation. Contact with acids. Contact with alkalis.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Strong acids, alkalis and oxidizing agents.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>No hazardous decomposition products are known.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

Information on likely routes of exposure

Inhalation May cause sensitization by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause damage to organs (respiratory system) through prolonged or repeated exposure.

Skin contact May cause an allergic skin reaction.
Eye contact Harmful in contact with eyes.
Ingestion Toxic if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics Respiratory disorder.
Information on toxicological effects

Acute toxicity May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.

Skin corrosion/irritation Not likely, due to the form of the product.
Serious eye damage/eye irritation Harmful in contact with eyes.
Respiratory or skin sensitization

ACGIH Sensitization
Beryllium Oxide (CAS 1304-56-9) Respiratory sensitization
Respiratory sensitization May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization May cause an allergic skin reaction.
Germ cell mutagenicity Due to lack of data the classification is not possible.
Carcinogenicity Cancer hazard.

IARC Monographs. Overall Evaluation of Carcinogenicity
Beryllium Oxide (CAS 1304-56-9) 1 Carcinogenic to humans.
Nickel (CAS 7440-02-0) 2B Possibly carcinogenic to humans.
Silica (CAS 14808-60-7) 1 Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens
Beryllium Oxide (CAS 1304-56-9) Known To Be Human Carcinogen.
Nickel (CAS 7440-02-0) Known To Be Human Carcinogen.
Silica (CAS 14808-60-7) Reasonably Anticipated to be a Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity Not classified.
Specific target organ toxicity - single exposure May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Specific target organ toxicity - repeated exposure May cause damage to organs (respiratory system) through prolonged or repeated exposure by inhalation.
Aspiration hazard Due to lack of data the classification is not possible.
Chronic effects Hazardous by OSHA criteria. May cause damage to organs through prolonged or repeated exposure.

Further information Symptoms may be delayed.

12. Ecological Information

Ecotoxicity No ecotoxicity data noted for the ingredient(s).
Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential Not available.
Mobility in soil Not available.
Other adverse effects Not available.

13. Disposal Considerations

Disposal instructions Material should be recycled if possible. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.
Hazardous waste code Not regulated.

Waste from residues / unused products Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated Empty containers should be taken to an approved waste handling site for recycling or disposal.
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT
- Not regulated as dangerous goods. IATA
- Not regulated as dangerous goods. IMDG
Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations
- All components are on the U.S. EPA TSCA Inventory List.
- This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
- Beryllium Oxide (CAS 1304-56-9) Listed.
- Nickel (CAS 7440-02-0) Listed.


Superfund Amendments and Reauthorization Act of 1986 (SARA)
- Hazard categories
  - Immediate Hazard - Yes
  - Delayed Hazard - Yes
  - Fire Hazard - No
  - Pressure Hazard - No
  - Reactivity Hazard - No
- SARA 302 Extremely hazardous substance Not listed.

SARA 311/312
- Hazardous chemical No

SARA 313 (TRI reporting)
- Chemical name CAS number % by wt.
  - Beryllium Oxide 1304-56-9 80 - 97
  - Nickel 7440-02-0 0 - 10
  - Manganese 7439-96-5 0 - 2

Other federal regulations
- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
  - Beryllium Oxide (CAS 1304-56-9)
  - Manganese (CAS 7439-96-5)
  - Nickel (CAS 7440-02-0)
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated. 
Safe Drinking Water Act (SDWA) 
US state regulations

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - New Jersey RTK - Substances: Listed substance
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Molybdenum (CAS 7439-98-7) Nickel (CAS 7440-02-0)
Silica (CAS 14808-60-7)
Titanium (CAS 7440-32-6)
Tungsten (CAS 7440-33-7)

US - Pennsylvania RTK - Hazardous Substances: All compounds of this substance are considered environmental hazards
Manganese (CAS 7439-96-5) Nickel (CAS 7440-02-0)

US - Pennsylvania RTK - Hazardous Substances: Special hazard
Beryllium Oxide (CAS 1304-56-9) Nickel (CAS 7440-02-0)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Molybdenum (CAS 7439-98-7)
Nickel (CAS 7440-02-0)
Silica (CAS 14808-60-7)
Tungsten (CAS 7440-33-7)

US. Massachusetts RTK - Substance List
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Molybdenum (CAS 7439-98-7)
Nickel (CAS 7440-02-0)
Silica (CAS 14808-60-7)
Tungsten (CAS 7440-33-7)

US. New Jersey Worker and Community Right-to-Know Act
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Nickel (CAS 7440-02-0)

US. Pennsylvania RTK - Hazardous Substances
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Molybdenum (CAS 7439-98-7)
Nickel (CAS 7440-02-0)
Silica (CAS 14808-60-7)
Tungsten (CAS 7440-33-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Molybdenum (CAS 7439-98-7)
Nickel (CAS 7440-02-0)
Silica (CAS 14808-60-7)
Tungsten (CAS 7440-33-7)

US. Rhode Island RTK
Beryllium Oxide (CAS 1304-56-9)
Manganese (CAS 7439-96-5)
Nickel (CAS 7440-02-0)

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Beryllium Oxide (CAS 1304-56-9) Listed: October 1, 1987
Nickel (CAS 7440-02-0) Listed: October 1, 1989
Silica (CAS 14808-60-7) Listed: October 1, 1988

16. Other Information, Including Date of Preparation or Last Revision

Issue date 10-18-2015
Version # 01
Further information Transportation Emergency
Call Chemtrec at:
Domestic: 800.424.9300
International: 703.527.3887

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