

Ag, Cu, Ni Brazing Alloys

According to OSHA Regulation: 29 CFR 1910.1200(g)

Date of issue: July 31, 2018

Version: 1.0

SECTION 1: Chemical product and company identification

1.1 Product Identifier

Product form : Article
Product Name : Silver Brazing alloys, Silver Copper Nickel Brazing alloys

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Industrial/Professional use spec. : Industrial
For professional use only
Use of the substance/mixture : Brazing
Function or use category : Brazing agent

1.2.2 Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Coining, Inc.
15 Mercedes Drive
Montvale, NJ 07645
Tel: +1(201)7914020
www.coininginc.com
martin.oud@ametek.com

1.4. Emergency Telephone Number

Emergency Number : CHEMTREC: 800-424-9300 for US/703-527-3887 outside US
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call
CHEMTREC-Day of Night.

SECTION 2: Hazards identification

2.1. Classification of the Substances or Mixture

Classification GHS-US: Skin sens. (cat 1)
Carcinogenicity (cat 2)
Specific Target Organ Toxicity-Repeated exposure (cat 1)

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label Elements

In Accordance with 29CFR1910.1200 (f)(4): Not regulated for labeling.

Hazard Pictograms GHS-US:



Signal Word: Warning

Hazard Statements

H317 May cause allergic skin reaction

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H351 Suspect of causing cancer
H372 Causes damage to organs through prolonged or repeated exposure

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment
P280 Wear protective gloves/protective clothing/eye protection/face protection
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

| Name | Product Identifier | % | Classification according to Regulation GHS-US |
|--------|--------------------|--------|--|
| Copper | (CAS No) 7440-50-8 | 0.1-95 | Solid, not classified |
| Silver | (CAS No) 7440-22-4 | 0.1-95 | Solid, not classified |
| Nickel | (CAS No) 7440-02-0 | 0.1-20 | Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 |

Full text of H- and P-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show there label where possible).

First-aid measures after inhalation : When symptoms occur; go into open air and ventilate suspected area.

First-aid measures after skin contact : Removal of solidified molten material from skin requires medical assistance. Cool skin rapidly with cold water after contact with molten product

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Under normal conditions of use not expected to present a significant hazard. Under milling, or physical alteration metal dusts may be produced that cause irritation of the respiratory tract, skin, and may be harmful. Molten material may release toxic and irritating fumes.

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|--------------------------------------|--|
| Symptoms/injuries after inhalation | : Not expected to be a primary route of exposure. The primary acute health hazard associated with this product would be the potential for exposure to fumes during metal processing operations. Inhalation of dusts and fumes can cause metal fume fever. Symptoms can include a metallic or sweet taste in the mouth, sweating, shivering, headache, throat irritation, fever, chills, thirstiness, muscle aches, nausea, vomiting, weakness, fatigue, and shortness of breath. |
| Symptoms/injuries after skin contact | : Skin contact is not considered a potential route of exposure. The primary acute health hazard associated with this product would be the potential for exposure to fumes during metal processing operations. Where possible allow molten material to solidify naturally. Removal of solidified molten material from skin requires medical assistance. |
| Symptoms/injuries after eye contact | : Not expected to be a primary route of exposure. Dust generated from material cutting may cause a slight irritation. Slivers may be generated, which could cause mechanical irritation or injure the eye. |
| Symptoms/injuries after ingestion | : Ingestion is not considered a potential route of exposure. |
| Chronic symptoms | Silver: Chronic skin contact or ingestion of silver dust, salts or fume can result in a condition known as Argyria, a condition with bluish pigmentation of the skin and eyes. Copper: Overexposure to fumes may cause metal fume fever (chills, muscle aches, nausea, fever, dry throat, cough, weakness, lassitude); metallic or sweet taste; discoloration of skin and hair. Tissue damage of mucous membranes may follow chronic dust exposure. Nickel: May cause a form of dermatitis known as nickel itch. Intestinal irritation, which may cause disorders, convulsions and asphyxia. |

4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Does not burn. Use extinguishing media appropriate for surrounding fire

Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Dust, chips, or ribbons can be ignited more easily, by an ignition source, by improper machining, or by spontaneous combustion if finely divided and damp

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For non-emergency personnel

Protective equipment : Use appropriate personal protection equipment (PPE)

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area

6.2. Environmental precautions

Avoid release to the environment

6.3. Methods and material for containment and clean up

For containment : If metal is in molten form, allow cooling and collecting as a solid. If the metal is in solid form collect for remelting purposes.

Methods for cleaning up : Clear up spills. Immediately and dispose of waste safely.

6.4 Reference to other sections

See heading 8, exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated place.

Incompatible products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

Brazing.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

| Copper (7440-50-8) | | |
|--------------------|--------------------------------------|---|
| Mexico | OEL TWA (mg/m ³) | 0.2 mg/m ³ (fume), 1 mg/m ³ (dust and mist) |
| Mexico | OEL STEL (mg/m ³) | 2 mg/m ³ (fume), 2 mg/m ³ (dust and mist) |
| USA ACGHI | ACGIH TWA (mg/m ³) | 0.2 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 0.1 mg/m ³ (fume), 1 mg/m ³ (dust and mist) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.1 mg/m ³ (fume), 1 mg/m ³ (dust and mist) |
| USA IDLH | US IDLH (mg/m ³) | 100 mg/m ³ (dust, fumes and mist) |
| Alberta | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 1 mg/m ³ |

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| | | |
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| Manitoba | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| New Brunswick | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Nova Scotia | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Prince Edwards Island | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Québec | VEMP (mg/m ³) | 0.2 mg/m ³ |
| Saskatchewan | OEL STEL (mg/m ³) | 0.6 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 0.2 mg/m ³ |
| Yukon | OEL Stel (mg/m ³) | 0.2 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 0.2 mg/m ³ |

| | | |
|---------------------------|-------------------------------------|------------------------|
| Silver (7440-22-4) | | |
| Mexico | OEL TWA (mg/m ³) | 0.1 mg/m ³ |
| USA ACGHI | ACGIH TWA (mg/m ³) | 0.1 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 0.01 mg/m ³ |
| Canada | TLV- TWA (mg/m ³) | 0.1 mg/m ³ |
| Canada | TLV-STEL (mg/m ³) | 0.3 mg/m ³ |

| | | |
|------------------------------------|--------------------------------------|--|
| Nickel (7440-02-0) | | |
| Mexico | OEL TWA (mg/m ³) | 1 mg/m ³ |
| USA ACGHI | ACGIH TWA (mg/m ³) | 1.5 mg/m ³ (inhalable fraction) |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 1 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.015 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 10 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 1.5 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 0.05 mg/m ³ |
| Manitoba | OEL TWA (mg/m ³) | 1.5 mg/m ³ (inhalable fraction) |
| New Brunswick | OEL TWA (mg/m ³) | 1 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 1.5 mg/m ³ |
| Nova Scotia | OEL TWA (mg/m ³) | 1.5 mg/m ³ |
| Nunavut | OEL STEL (mg/m ³) | 2 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 1 mg/m ³ |
| Northwest Territories | OEL STEL (mg/m ³) | 2 mg/m ³ |
| Northwest Territories | OEL TWA (mg/m ³) | 1mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 1 mg/m ³ (inhalable fraction) |
| Prince Edwards Island | OEL TWA (mg/m ³) | 1.5 mg/m ³ (inhalable fraction) |
| Québec | VEMP (mg/m ³) | 1.0 mg/m ³ |
| Saskatchewan | OEL STEL (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| Saskatchewan | OEL TWA (mg/m ³) | 1.5 mg/m ³ (inhalable fraction) |
| Yukon | OEL Stel (mg/m ³) | 3 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 1 mg/m ³ |

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8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Protective goggles. Insulated gloves



Hand protection : If material is hot, wear thermally resistant protective gloves.

Eye protection : During metal processing, chemical goggles or safety glasses.

Respiratory protection : During metal processing, wear approved mask.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basis physical and chemical properties

| | |
|--|---|
| Physical state | : Solid |
| Appearance | : Preforms, squares, rings, discs, wire |
| Color | : Metallic, silvery or coppery |
| Odor | : Odorless |
| Odor threshold | : Not applicable |
| pH | : Neutral |
| Relative evaporation rate (butylacetate=1) | : Not applicable |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Self ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor pressure at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : Insoluble |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |

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Oxidizing properties : No data available

Explosive limits : No data available

9.2 Other information: No other information available.

SECTION 10: Stability and reactivity

10.1 Reactivity : Hazardous reactions will not occur under normal conditions.

10.2 Chemical stability : Stable under normal conditions. Dust, chips or ribbons can be ignited more easily, by an ignition source, by improper machining, or by spontaneous combustion if finely divided and damp.

10.3 Possibility of hazardous reactions : Hazardous polymerization will not occur.

10.4 Conditions to avoid : High humidity, extremely high temperatures.

10.5 Incompatible materials : Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products : Metal oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects – Product:

Acute toxicity : Not classified

Irritation : Not classified

Corrosivity : Not classified

Sensitization : Not classified

Repeated dose toxicity : Not classified

Carcinogenicity : Not classified

Mutagenicity : Not classified

Toxicity for reproduction : Not classified

11.1 Information on toxicological effects – Ingredients :

LD50 and LC50 DATA:

| Silver (7440-22-4) | |
|--------------------|-------------|
| LD50 oral rat | >2000 mg/kg |

| Nickel (7440-02-0) | |
|--|---|
| LD50 oral rat | >9000 mg/kg |
| IARC Group | 2A |
| National Toxicity Program (NTP) Status | Reasonably anticipated to be Human Carcinogen |

SECTION 12: Ecological information

12.1 Toxicity

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| | |
|--------------------------------|---|
| Copper (7440-50-8) | |
| LC50 fishes 1 | 0.0068 (0.0068-0.0156)mg/l (Exposure time: 96 h-Species: Pimephales promelas) |
| EC50 Daphnia 1 | 0.03mg/l (Exposure time: 48h-Species: Daphnia magna [Static]) |
| EC50 other aquatic organisms 1 | 0.0426 (0.0426-0.0535)mg/l (Exposure time:72 h-Species: Pseudokirchneriella subcapitata [Static]) |
| LC50 fish 2 | 0.3mg/l (Exposure time: 96h –species: Pimephales promelas [Static]) |
| EC50 other aquatic organisms 2 | 0.031(0.031-0.054) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [Static]) |

| | |
|---------------------------|---|
| Silver (7440-22-4) | |
| LC50 fishes 1 | 0.00155 (0.00155-0.00293)mg/l (Exposure time: 96 h-Species: Pimephales promelas [Static]) |
| EC50 Daphnia 1 | 0.00024mg/l (Exposure time: 48h-Species: Daphnia magna [Static]) |
| LC50 fish 2 | 0.0062mg/l (Exposure time: 96h –species: Oncorhynchus mykiss [flow-through]) |

| | |
|--------------------------------|---|
| Nickel (7440-02-0) | |
| LC50 fishes 1 | 100 mg/l (Exposure time: 96 h-Species: Brachydanio rerio)] |
| EC50 Daphnia 1 | 100 mg/l (Exposure time: 48h-Species: Daphnia magna) |
| EC50 other aquatic organisms 1 | 0.18 mg/l (Exposure time:72 h-Species: Pseudokirchneriella subcapitata) |
| LC50 fish 2 | 1.3mg/l (Exposure time: 96h –Species: Cyprinus carpio [semi-static]) |
| EC50 Daphnia 2 | 1 mg/l (Exposure time: 48h-Species: Daphnia magna [Static]) |
| EC50 other aquatic organisms 2 | 0.174 (0.174-0.311 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [Static]) |

12.2 Persistence and degradability

| | |
|-------------------------------------|-----------------|
| Soldering and Brazing Alloys | |
| Persistence and degradability | Not established |

| | |
|-------------------------------|----------------------------|
| Copper (7440-50-8) | |
| Persistence and degradability | Not readily biodegradable. |

12.3 Bioaccumulative potential

| | |
|---------------------------|-----------------|
| Brazing Alloys | |
| Bioaccumulative potential | Not established |

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12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal information

13.1 Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national and international regulations.

SECTION 14: Transport information

14.1. In Accordance with DOT : Not regulated for transport.

14.2. In Accordance with IMDG : Not regulated for transport.

14.3. In Accordance with IATA : Not regulated for transport.

14.4. In Accordance with TDG : Not regulated for transport.

SECTION 15: Regulatory information

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

15.1.1. US Federal Regulations All ingredients are listed on the EPA TSCA Inventory.

| Copper/Copper Alloys | |
|-------------------------------------|---------------------------------|
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard |

| Copper (7440-50-8) | |
|---|----|
| Listed on the United States TSCA (Toxic Substances Control Act) Inventory | |
| Listed on United States SARA Section 313 | |
| SARA Section 313 – Emission Reporting | 1% |

| Nickel (7440-02-0) | |
|---|---|
| Listed on the United States TSCA (Toxic Substances Control Act) Inventory | |
| Listed on United States SARA Section 313 | |
| RQ (Reportable Quantity, Section 304 of EPA's List of Lists): | 100 lb (only applicable if particles are <100 µm) |
| SARA Section 313 – Emission Reporting | 1% |


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| | |
|---|----|
| Silver (7440-22-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) Inventory Listed on United States SARA Section 313 | |
| SARA Section 313 – Emission Reporting | 1% |

15.1.2. US State Regulations:

| | |
|--|--|
| Nickel (7440-02-0) | |
| U.S.-California – Proposition 65 – Carcinogens List |  This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov |

| | |
|---|--|
| Copper (7440-50-8) | |
| U.S. - Massachusetts – Right To Know List U.S. – New Jersey – Right to Know Hazardous Substances List U.S. – Pennsylvania – RTK (Right to Know) List- Environmental Hazard List U.S. – Pennsylvania – RTK (Right to Know) List | |

| | |
|--|--|
| Nickel (7440-02-0) | |
| U.S. - Massachusetts – Right To Know List U.S. – New Jersey – Right to Know Hazardous Substances List U.S. – Pennsylvania – RTK (Right to Know) List- Environmental Hazard List U.S. – Pennsylvania – RTK (Right to Know) List – Special Hazardous Substances U.S. – Pennsylvania – RTK (Right to Know) List | |

15.1.3 Canadian Regulations All ingredients are listed on the Canadian Domestic Substance List

| | |
|-----------------------------|---|
| Copper/Copper Alloys | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

| | |
|--|---|
| Copper (7440-50-8) | |
| Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List) | |
| IDL Concentration 1% | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

| | |
|---|--|
| Nickel (7440-02-0) | |
| Listed on the Canadian DSL (Domestic Substances List) | |

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| | |
|---|---|
| Listed on the Canadian IDL (Ingredient Disclosure List) | |
| IDL Concentration 0.1% | |
| WHMIS Classification | Class D Division 2 Subdivision B – Toxic material causing other toxic effects |

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Other information

This Safety Data Sheet has been established in accordance with the SDS requirements of the OSHA Regulation 29 CFR 1910.1200

GHS Full Text Phrases:

| | |
|--------------------------------------|--|
| Acute Tox.1 (Inhalation: dust, mist) | Acute toxicity (inhalation: dust, mist) Category 1 |
| Acute Tox.2 (Dermal) | Acute toxicity (dermal) Category 2 |
| Acute Tox.3 (Oral) | Acute toxicity (oral) Category 2 |
| Aquatic Acute 1 | Hazardous to the aquatic environment-Acute Hazard Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment-Chronic Hazard Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment-Chronic Hazard Category 3 |
| Carc.2 | Carcinogenicity Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation Category 2 |
| Flam. Sol. 1 | Flammable solids Category 1 |
| Pyr. Sol. 1 | Pyrophoric solids Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| STOT Se 3 | Specific target organ toxicity (single exposure) Category 3 |
| H228 | Flammable solid |
| H250 | Catches fire spontaneously if exposed to air |
| H300 | Fatal if swallowed |
| H310 | Fatal in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H330 | Fatal if inhaled |
| H335 | May cause respiratory irritation |
| H351 | Suspected of causing cancer |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

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| | |
|------|---|
| H412 | Harmful to aquatic life with long lasting effects |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P270 | Do not eat, drink or smoke when using this product |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P501 | Dispose of contents/container in accordance with local, regional, national and international regulations. |

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT= Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European Lists of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IDLH= Immediately Dangerous to Life or Health; IMO = International Maritime Organization; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety & Health ; NTP = National Toxicology Program; OSHA=Occupational Safety and Health Administration; PEL= Permissible Exposure Limits; REL= Recommended Exposure Limits; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA Time weighted Average.

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

STATEMENT OF LIABILITY-DISCLAIMER

To the best of the COINING, INC's knowledge, the information and recommendations contained in this publication are reliable and accurate as of the date prepared. However, accuracy, suitability, or completeness are not guaranteed, and no warranty, guarantee, or representation, expressed or implied, is made by COINING, INC. as to the absolute correctness or sufficiency of any representation contained in this and other publications; COINING, INC. assumes no responsibility in connection therewith; nor can it be assumed that all acceptable safety measures are contained in this and other publications, or that other or additional measures may not be required under particular or exceptional conditions or circumstances. Data may be changed from time to time.