

Safety Data Sheet



Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Alnox UG Electrical Joint Compound**

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

Relevant identified use(s) • Inhibit formation of oxides and lower resistance of electrical interfaces with the use of rubber-type products

1.3 Details of the supplier of the safety data sheet

Manufacturer • AFL Telecommunications
170 Ridgeview Circle
Duncan, SC 29334
United States

Telephone (General) • 1-864-433-0333

1.4 Emergency telephone number

Manufacturer • 1-800-866-3941 Ext. 5577 - USA

Manufacturer • 1-864-433-5577

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

- CLP**
- Skin Irritation 2 - H315
 - Skin Sensitization 1 - H317
 - Eye Irritation 2 - H319
 - Carcinogenicity 2 - H351
 - Specific Target Organ Toxicity Repeated Exposure 1 - H372
- DSD/DPD**
- Irritant (Xi)
 - Toxic (T)
 - Carcinogenic Substances - Category 3
 - R36/38, R40, R43, R48/23

2.2 Label Elements

CLP

DANGER



- Hazard statements**
- H315 - Causes skin irritation
 - H317 - May cause an allergic skin reaction
 - H319 - Causes serious eye irritation
 - H351 - Suspected of causing cancer.
 - H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements

- Prevention**
- P201 - Obtain special instructions before use.
 - P202 - Do not handle until all safety precautions have been read and understood.
 - P260 - Do not breathe dust, fume, mist, vapours or spray.
 - P264 - Wash thoroughly after handling.
 - P270 - Do not eat, drink or smoke when using this product.
 - P272 - Contaminated work clothing should not be allowed out of the workplace.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 - P281 - Use personal protective equipment as required.
- Response**
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P309+P311 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 - P321 - Specific treatment, see supplemental first aid information.
- Storage/Disposal**
- P405 - Store locked up.
 - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R36/38 - Irritating to eyes and skin.
 - R40 - Limited evidence of a carcinogenic effect.
 - R43 - May cause sensitisation by skin contact.
 - R48/23 - Toxic: danger of serious damage to health by prolonged exposure through inhalation.
- Safety phrases**
- S24 - Avoid contact with skin.
 - S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S36 - Wear suitable protective clothing.
 - S37 - Wear suitable gloves.
 - S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 - S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 2012**
- Skin Irritation 2 - H315
 - Skin Sensitization 1 - H317
 - Eye Irritation 2 - H319
 - Carcinogenicity 2 - H351

Specific Target Organ Toxicity Repeated Exposure 2 - H373

2.2 Label elements

OSHA HCS 2012

DANGER



- Hazard statements**
- Causes skin irritation - H315
 - May cause an allergic skin reaction - H317
 - Causes serious eye irritation - H319
 - Suspected of causing cancer. - H351
 - May cause damage to organs through prolonged or repeated exposure. - H373

Precautionary statements

- Prevention**
- Obtain special instructions before use. - P201
 - Do not handle until all safety precautions have been read and understood. - P202
 - Do not breathe dust, fume, mist, vapours or spray. - P260
 - Wash thoroughly after handling. - P264
 - Contaminated work clothing should not be allowed out of the workplace. - P272
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
 - Use personal protective equipment as required. - P281
- Response**
- IF ON SKIN: Wash with plenty of soap and water. - P302+P352
 - Take off contaminated clothing and wash before reuse. - P362
 - If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
 - If eye irritation persists: Get medical advice/attention. - P337+P313
 - IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. - P309+P311
 - Specific treatment, see supplemental first aid information. - P321
- Storage/Disposal**
- Store locked up. - P405
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



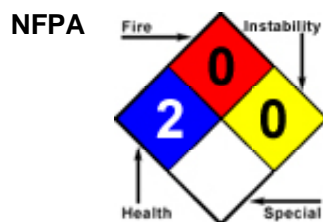
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Aluminum	CAS:7429-90-5 EC Number:231-072-3 UN:UN1309	10% TO 30%	NDA	EU DSD/DPD: Annex I: F; R11 R15 EU CLP: Annex VI: Water-react. 2 H261, Flam. Sol. 1 H228 OSHA HCS 2012: STOT RE Cat 2 - Lungs, Inhalation	NDA
Nickel	CAS:7440-02-0 EC Number:231-111-4	10% TO 30%	NDA	EU DSD/DPD: Annex I: Carc.Cat.3; R40;R43 T; R48/23 EU CLP: Annex VI: Carc. 2 H351, STOT RE 1 H372**, Skin Sens. 1 H317 OSHA HCS 2012: Skin Sens. 1A, Carc. 2	NDA

See Section 16 for full text of H-statements and R-phrases. See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- Remove to fresh air. If unconscious or severely injured, check for clear airway, breathing and presence of pulse. Perform CPR if there is no pulse or respiration. Consult a physician.

Skin

- Wash skin with soap and water. Consult a physician if irritation persists.

Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

- If swallowed, dilute by drinking large amounts of water. Never give anything by mouth to a convulsing or unconscious person. Do not induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media ● Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media ● No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards ● This product is not considered flammable or combustible but will burn if ignited.

Hazardous Combustion Products ● May include, and are not limited to: oxides of carbon.

5.3 Advice for firefighters

- Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions ● Take proper precautions to minimize exposure by using appropriate personal protective equipment.

Emergency Procedures ● As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures ● Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Spills may be slippery and potentially hazardous to personnel or mobile equipment due to reduced traction.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling ● Avoid contact with skin, eyes or clothing. Do not taste or swallow. Do not breathe (dust, vapor or spray mist) Handle and open container with care. When using do not smoke, eat, or drink. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage ● Keep container closed when not in use. Store away from heat, sparks, flames, oxidizers, and other incompatible substances. Empty containers may contain residual product. Do not cut or weld on containers.

Incompatible Materials or Ignition Sources ● Oxidizers

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
Aluminum (7429-90-5)	TWAs	1 mg/m3 TWA (respirable fraction)	1 mg/m3 TWA (respirable)	10 mg/m3 TWAEV	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Nickel (7440-02-0)	TWAs	1.5 mg/m3 TWA (inhalable fraction)	1 mg/m3 TWA (inhalable)	1 mg/m3 TWAEV	0.015 mg/m3 TWA	1 mg/m3 TWA

8.2 Exposure controls

Engineering Measures/Controls

- Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapor etc) below recommended exposure limits.

Personal Protective Equipment

Pictograms



Respiratory

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear safety glasses/goggles to avoid eye contact.

Skin/Body

- Wear protective gloves and clothing -adequate to prevent skin contact.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

MSHA = Mine Safety and Health Administration

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Gray grease with grit and slight odor.
Color	Gray	Odor	Slight odor.
Taste	No data available.	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Data lacking	Physical and Chemical Properties	Gray grease with grit and slight odor.
General Properties			

Boiling Point	700 F(371.1111 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	Heat of Decomposition	Data lacking
pH	Data lacking	Specific Gravity/Relative Density	1.08 Water=1
Density	10.7651 lbs/gal	Bulk Density	Data lacking
Water Solubility	Insoluble	Solvent Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not explosive.
Oxidizing Properties:	Not an oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	> 1 Air=1
Evaporation Rate	Data lacking	VOC (Wt.)	Data lacking
VOC (Vol.)	Data lacking	Volatiles (Wt.)	Data lacking
Volatiles (Vol.)	Data lacking		
Flammability			
Flash Point	> 500 F(> 260 C)	UEL	Data lacking
LEL	Data lacking	Autoignition	> 500 F(> 260 C)
Self-Accelerating Decomposition Temperature (SADT)	Data lacking	Heat of Combustion (ΔH_c)	Data lacking
Burning Time	Data lacking	Flame Height	Data lacking
Flame Extension	Data lacking	Ignition Distance	Data lacking
Flame Duration	Data lacking	Flammability (solid, gas)	Not flammable.
Environmental			
Half-Life	Data lacking	Octanol/Water Partition coefficient	Data lacking
Coefficient of water/oil distribution	Data lacking	Bioaccumulation Factor	Data lacking
Bioconcentration Factor	Data lacking	Biochemical Oxygen Demand BOD/BOD5	Data lacking
Chemical Oxygen Demand	Data lacking	Persistence	Data lacking
Degradation	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal conditions of use, storage, and transportation.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Excess heat. Incompatible materials.

10.5 Incompatible materials

- Oxidizers

10.6 Hazardous decomposition products

- May include, and are not limited to: oxides of carbon.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Aluminum (10% TO 30%)	7429-90-5	Acute Toxicity: ihl-rat TClO:206 mg/m ³ /5H/30D-I; Reproductive: orl-mus TDL0:1260 mg/kg (multigeneration))
Nickel (10% TO 30%)	7440-02-0	Acute Toxicity: orl-rat TDL0:200 mg/kg; ihl-rbt TClO:130 ug/m ³ /6H/35W-I; Reproductive: orl-rat TDL0:158 mg/kg (multigenerations)
GHS Properties		Classification
Acute toxicity		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity		EU/CLP • Carcinogenicity 2 OSHA HCS 2012 • Carcinogenicity 2
Germ Cell Mutagenicity		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation		EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization		EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1A
STOT-RE		EU/CLP • Specific Target Organ Toxicity Repeated Exposure 1 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 2
STOT-SE		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation		EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2

Route(s) of entry/exposure

- Inhalation, Skin, Eye, Ingestion

Medical Conditions Aggravated by Exposure

- Asthma Allergies .

Potential Health Effects

Inhalation

Acute (Immediate)

- May be harmful. May cause irritation.

Chronic (Delayed)

- Chronic overexposures to nickel dust and fume can cause perforation of the nasal septum, inflammation of the nasal passages (sinusitis), respiratory sensitization, asthma and scarring of the lungs (pulmonary fibrosis).

Skin

Acute (Immediate)

- May cause irritation. May cause skin sensitization. Symptoms include redness, and skin rash.

Chronic (Delayed)

- Dermatitis may result from prolonged or repeated exposure.

Eye

Acute (Immediate)

- May cause irritation.

- Chronic (Delayed)**
 - No chronic effects expected.
- Ingestion**
- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - No chronic effects expected.
- Carcinogenic Effects**
 - No information available for the product. Nickel metal IARC/NTP: Listed as "reasonably anticipated to be a human carcinogen" by the NTP. Listed as "possibly carcinogenic" to humans by IARC (Group 2B).

Carcinogenic Effects			
	CAS	IARC	NTP
Nickel	7440-02-0	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen

Key to abbreviations

TC = Toxic Concentration

TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- No information available for the product. Component Analysis - Ecotoxicity - Aquatic Toxicity Nickel (7440-02-0) 96 Hr LC50 rainbow trout (adults): 31.7 mg/L 96 Hr LC50 fathead minnow: 3.1 mg/L 72 Hr EC50 freshwater algae (4 species): 0.1 mg/L 96 Hr LC50 water flea: 510 ug/L

12.2 Persistence and degradability

- No information available for the product.

12.3 Bioaccumulative potential

- No information available for the product.

12.4 Mobility in Soil

- No information available for the product.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

Potential Environmental Effects

- May cause long-term adverse effects in the aquatic environment.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- All wastes containing the material should be properly labeled. Dispose of any waste residues according to prescribed federal, state, and local guidelines, e.g., appropriately permitted chemical waste incinerator. Not federally regulated in the U.S. if disposed of "as is." Otherwise, characterize in accordance with applicable regulations (40 CFR 261 or state equivalent in the U.S.) Reuse or recycle material whenever possible. Material may be disposed of at a chemically secure landfill.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

14.6 Special precautions for user • No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Not relevant.

14.8 Other information

DOT • Nickel has a reportable quantity of 100 lbs (45.4 kg) as listed in Appendix A to 49 CFR 172.101.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute, Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Aluminum	7429-90-5	Yes	Yes	Yes
Nickel	7440-02-0	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Aluminum	7429-90-5	Yes	No	Yes	No	Yes
Nickel	7440-02-0	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Aluminum 7429-90-5 10% TO 30% B6 (powder); Uncontrolled product according to WHMIS classification criteria
- Nickel 7440-02-0 10% TO 30% D2A, D2B; B6, D2A (Raney)

Canada - WHMIS - Ingredient Disclosure List

- Aluminum 7429-90-5 10% TO 30% 1 %
- Nickel 7440-02-0 10% TO 30% 0.1 %

Environment

Canada - CEPA - Priority Substances List

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- Aluminum 7429-90-5 10% TO 30% F; R11 R15 (stabilized)
- Nickel 7440-02-0 10% TO 30% Carc.Cat.3; R40 R43 T; R48/23

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- Aluminum 7429-90-5 10% TO 30% F R:11-15 S:(2)-7/8-43
- Nickel 7440-02-0 10% TO 30% T R:40-43-48/23 S:(2)-36/37/39-45

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- Aluminum 7429-90-5 10% TO 30% T
- Nickel 7440-02-0 10% TO 30% S, 7

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- Aluminum 7429-90-5 10% TO 30% S:(2)-7/8-43
- Nickel 7440-02-0 10% TO 30% S:(2)-36/37/39-45

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- Aluminum 7429-90-5 10% TO 30% Not Listed
100 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 45.4 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
- Nickel 7440-02-0 10% TO 30%

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- Aluminum 7429-90-5 10% TO 30% 1.0 % de minimis concentration (dust or fume only)
- Nickel 7440-02-0 10% TO 30% 0.1 % de minimis concentration

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- Aluminum 7429-90-5 10% TO 30% Not Listed

- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Included in waste streams: F006, F039

U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% (total)

U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% hazardous constituent - no waste number

U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% (total)

U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% 3.98 mg/L (wastewater); 11.0 mg/L TCLP (nonwastewater)

U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% (total)

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% carcinogen, initial date 10/1/89 (metallic)

U.S. - California - Proposition 65 - Developmental Toxicity

- Aluminum 7429-90-5 10% TO 30% Not Listed

- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30% Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- Aluminum 7429-90-5 10% TO 30%
- Nickel 7440-02-0 10% TO 30%

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Aluminum 7429-90-5 10% TO 30% Not Listed
- Nickel 7440-02-0 10% TO 30%

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

- Aluminum 7429-90-5 10% TO 30% Toxic (dust, powder, welding fumes); Flammable (dust, powder, welding fumes)
- Nickel 7440-02-0 10% TO 30% Toxic; Carcinogen

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.
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Section 16 - Other Information

Relevant Phrases (code & full text)

- H228 - Flammable solid
- H261 - In contact with water releases flammable gas
- R11 - Highly flammable.
- R15 - Contact with water liberates extremely flammable gases.

Last Revision Date

- 03/June/2013

Preparation Date

- 03/June/2013

Disclaimer/Statement of Liability

- INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORITATIVE AND VALID; HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, CAN BE MADE.

Key to abbreviations

NDA = No Data Available
