SAFETY DATA SHEET

Pretreated and/or Painted Aluminum Extrusions (AAMA 2603)

Section 1. Identification

Product identifier : Pretreated and/or Painted Aluminum Extrusions (AAMA 2603)

Product code : Not available.

Other means of identification : 6XXX Series Alloys including: 6005, 6005A, 6060, 6061, 6063, 6082, 6105, 6181, 6351, 6360, 6463; Aluminum; Wrought Aluminum Products

Product type : Massive metal.
Not hazardous in solid form. If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

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

Product use : Various extruded and/or fabricated aluminum parts, products.

Area of application : Consumer applications, Industrial applications.

Manufacturer : **Bonnell Aluminum, Inc.**
25 Bonnell Street, Newnan, GA 30263

Website: BonnellAluminum.com
Telephone no.: (770) 254-2020

Emergency telephone number (with hours of operation) : Chemtrec (North America): 1-800-424-9300 (24 hours)

Section 2. Hazard identification

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Classification of the substance or mixture :

H317	SKIN SENSITIZATION - Category 1
H351	CARCINOGENICITY - Category 2
H360	TOXIC TO REPRODUCTION - Category 1A
H362	TOXIC TO REPRODUCTION - Effects on or via lactation
H372	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H317 - May cause an allergic skin reaction.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H362 - May cause harm to breast-fed children.
H372 - Causes damage to organs through prolonged or repeated exposure. (blood system, brain, central nervous system (CNS), kidneys, lungs)

Precautionary statements

Section 2. Hazard identification

General : P102 - Keep out of reach of children.
P101 - If medical advice is needed, have product container or label at hand.

Prevention : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection.
P260 - Do not breathe dust.
P263 - Avoid contact during pregnancy and while nursing.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash thoroughly after handling.

Response : P308 + P313 - IF exposed or concerned: Get medical advice or attention.
P302 + P352 - IF ON SKIN: Wash with plenty of water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.

Storage : P405 - Store locked up.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : 6XXX Series Alloys including: 6005, 6005A, 6060, 6061, 6063, 6082, 6105, 6181, 6351, 6360, 6463; Aluminum; Wrought Aluminum Products

Ingredient name	Other names	% (w/w)	Identifiers
silicon	-	≤3	CAS: 7440-21-3
Manganese	-	≤3	CAS: 7439-96-5
lead	-	≤1	CAS: 7439-92-1
nickel	-	≤0.3	CAS: 7440-02-0

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Description of necessary first aid measures

Eye contact : Get medical attention.

Inhalation : Not applicable.

Skin contact : Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Cuts should be treated promptly and covered.

Ingestion : Not applicable.

Most important symptoms/effects, acute and delayed

Section 4. First-aid measures

Potential acute health effects

Eye contact : Not applicable.

Inhalation : Not applicable.

Skin contact : May cause an allergic skin reaction.

Ingestion : Not applicable.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Extinguishing media

Suitable extinguishing media : Use approved Class D extinguisher or smother with dry sand, dry clay or dry ground limestone.

Unsuitable extinguishing media : Do not use water jet.
Halogen (HCFC) extinguisher.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides
Halides
hydrogen cyanide
hydrogen chloride

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Wear MSHA/NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.

Remark : Solid.: Non-combustible. Not considered to be a product presenting a risk of explosion.
Material in powder form, capable of creating a dust explosion.
Molten material reacts violently with water and can react with aluminum, tin, zinc and their alloys to generate flammable and explosive hydrogen gas.

Section 6. Accidental release measures

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : No specific hazard.

Methods and materials for containment and cleaning up

Small spill : Restack safely. Take care with items that are sharp or heavy or hot. Aluminum does not change color or glow when hot/heated.

Large spill : Restack safely. Take care with items that are sharp or heavy or hot. Aluminum does not change color or glow when hot/heated. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Take care with items that are sharp or heavy or hot. Aluminum does not change color or glow when hot/heated.

Advice on general occupational hygiene : Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Storage temperature: room temperature. Store in accordance with local regulations. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
silicon	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 20 mg/m³. TWA 8 hours: 10 mg/m³. **CA British Columbia Provincial (Canada, 6/2025) [particles (insoluble or poorly soluble) not otherwise classified]** Notes: The 8-hour TWA listed in the Table is for the total dust. The substance also has an 8-hour TWA of 3 mg/m3 for the respirable fraction. TWA 8 hours: 10 mg/m³. Form: total dust. TWA 8 hours: 3 mg/m³. Form: respirable fraction. **CA Quebec Provincial (Canada, 2/2024)** TWAEV 8 hours: 10 mg/m³. Form: total particulate matter.
Manganese	**CA Saskatchewan Provincial (Canada, 4/2021) [Manganese and inorganic compounds]** STEL 15 minutes: 0.6 mg/m³ (measured as Mn). TWA 8 hours: 0.2 mg/m³ (measured as Mn). **CA British Columbia Provincial (Canada, 6/2025) [manganese - elemental & inorganic compounds]** Repr. TWA 8 hours: 0.1 mg/m³ (as Mn). Form: inhalable. TWA 8 hours: 0.02 mg/m³ (as Mn). Form: respirable. **CA Ontario Provincial (Canada, 6/2019) [Manganese elemental and inorganic compounds]** TWA 8 hours: 0.2 mg/m³ (as Mn). **CA Quebec Provincial (Canada, 2/2024) [Manganese- fumes, dusts and compounds]** TWAEV 8 hours: 0.2 mg/m³ (as Mn). Form: inhalable aerosol fraction. TWAEV 8 hours: 0.05 mg/m³ (as Mn). Form: respirable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023) [Manganese, elemental & inorganic compounds]** OEL 8 hours: 0.2 mg/m³ (as Mn).

Section 8. Exposure controls/personal protection

lead	**CA Saskatchewan Provincial (Canada, 4/2021) [Lead and inorganic compounds]** STEL 15 minutes: 0.15 mg/m³ (measured as Pb). TWA 8 hours: 0.05 mg/m³ (measured as Pb). **CA British Columbia Provincial (Canada, 6/2025)** Carc 2B, Repr. TWA 8 hours: 0.05 mg/m³ (as Pb). **CA Ontario Provincial (Canada, 6/2019) [Elemental lead, inorganic compounds of lead]** TWA 8 hours: 0.05 mg/m³ (as Pb). **CA Quebec Provincial (Canada, 2/2024) [Lead and inorganic compounds, dusts and fumes]** C3. TWAEV 8 hours: 0.05 mg/m³ (as Pb). **CA Alberta Provincial (Canada, 3/2023) [Lead elemental & inorganic compounds]** OEL 8 hours: 0.05 mg/m³ (as Pb).
nickel	**CA Saskatchewan Provincial (Canada, 4/2021)** STEL 15 minutes: 3 mg/m³. Form: inhalable fraction. TWA 8 hours: 1.5 mg/m³. Form: inhalable fraction. **CA British Columbia Provincial (Canada, 6/2025) [nickel - insoluble inorganic compounds]** Carc 1A, Carc 1. TWA 8 hours: 0.05 mg/m³ (as Ni). **CA British Columbia Provincial (Canada, 6/2025) [nickel - elemental, soluble inorganic compounds]** Carc 1, Carc 2B. TWA 8 hours: 0.05 mg/m³ (as Ni). **CA Ontario Provincial (Canada, 6/2019)** TWA 8 hours: 1 mg/m³. Form: inhalable particulate matter. **CA Quebec Provincial (Canada, 2/2024) [nickel and inorganic compounds - metal]** TWAEV 8 hours: 1.5 mg/m³. Form: inhalable aerosol fraction. **CA Alberta Provincial (Canada, 3/2023)** OEL 8 hours: 1.5 mg/m³.

Biological exposure indices

None known.

Appropriate engineering controls : No special ventilation requirements. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Not applicable.

Individual protection measures

Section 8. Exposure controls/personal protection

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Wash thoroughly after handling.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Use strong, cut-resistant gloves suitable for handling metals.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Not applicable.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Solid. [Massive solid.]

Color : Gray. / Silver. / Various (Based on paint pigment specified by customer.)

Odor : Not available.

Odor threshold : Not available.

Melting point and freezing point : 593 to 704°C (1099.4 to 1299.2°F)

Boiling point or initial boiling point and boiling range : Not available.

Evaporation rate : Not applicable.

Flammability : Not available.

Lower and upper explosion limit or lower and upper flammability limit : Not applicable.

Flash point : Not applicable.

Auto-ignition temperature : Not applicable.

Decomposition temperature : Not available.

pH : Not applicable.

Viscosity : Dynamic (room temperature): Not applicable.
Kinematic (room temperature): Not applicable.
Kinematic (40°C (104°F)): Not applicable.

Solubility :

Media	Result
water	Not soluble

Miscible with water : No.

Section 9. Physical and chemical properties

Partition coefficient — n-octanol/water (logarithmic value) : Not applicable.

Vapor pressure : Not applicable.

Density : 2.69 to 2.74 g/cm³

Relative density : 2.5 to 2.9

Relative vapor density : Not applicable.

Particle characteristics

Median particle size : Not available.

Other information

Physical/chemical properties comments : No additional information.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid : Avoid dust generation.

Incompatible materials : Molten aluminum is reactive with water. Aluminum particles are reactive or incompatible with water, humidity, strong alkalis, strong acids, halogenated acids and strong oxidizing materials.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	
silicon	**Rat - Oral - LD50** 3160 mg/kg	
Manganese	**Rat - Oral - LD50** 9 g/kg	
	Rat - Inhalation - LC50 Dusts and mists 5.14 mg/l [4 hours]	OECD [Acute Inhalation Toxicity-Fixed Dose Procedure]
lead	**Rat - Male, Female - Oral - LD50** >2000 mg/kg	OECD [Acute Oral toxicity - Acute Toxic Class Method]
	Rat - Male, Female - Dermal - LD50 >2000 mg/kg	OECD [Acute Dermal Toxicity]
	Rat - Male, Female - Inhalation - LC50 Dusts and mists	OECD [Acute Inhalation Toxicity]

Section 11. Toxicological information

	>5.05 mg/l [4 hours]
nickel	**Rat - Oral - LD50** >2000 mg/kg

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Manganese	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
silicon	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 3 mg
Manganese	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Skin

Conclusion/Summary [Product] : Dust : May cause sensitization by skin contact.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Conclusion/Summary [Product] : Contains material which can cause cancer.
Dust (prolonged exposure): Can cause cancer.

Classification

Section 11. Toxicological information

Product/ingredient name	IARC	NTP	ACGIH
Manganese	-	-	A4
lead	2B	Reasonably anticipated to be a human carcinogen.	A3
nickel	2B	Reasonably anticipated to be a human carcinogen.	A5

Reproductive toxicity

Conclusion/Summary [Product] : Contains material which can impair fertility.
Dust (prolonged exposure): Possible risk of impaired fertility.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
Manganese	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (brain, lungs) - Category 1
lead	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys) (inhalation) - Category 1
nickel	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (respiratory tract) (inhalation) - Category 1

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : Not applicable.

Inhalation : Not applicable.

Skin contact : May cause an allergic skin reaction.

Ingestion : Not applicable.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Section 11. Toxicological information

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Conclusion/Summary [Product] : Contains material that may cause target organ damage, based on animal data.
Dust : May cause damage to organs through prolonged or repeated exposure.

General : Causes damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : May damage fertility or the unborn child.
May cause harm to breast-fed children.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Pretreated and/or Painted Aluminum Extrusions (AAMA 2603)	9288.5	N/A	N/A	N/A	N/A
silicon	3160	N/A	N/A	N/A	N/A
Manganese	9000	N/A	N/A	N/A	5.14
lead	2500	2500	N/A	N/A	N/A
nickel	2500	N/A	N/A	N/A	N/A

Section 11. Toxicological information

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	
Manganese	**Acute - EC50 - Fresh water** Aquatic plants - Duckweed - *Lemna minor* 31 mg/l [4 days]	Effect: Growth
	Acute - LC50 - Fresh water Fish - Fathead minnow - *Pimephales promelas* 28 mg/l [96 hours]	Effect: Mortality
	Acute - LC50 - Fresh water Daphnia - Water flea - *Daphnia magna* 29 mg/l [48 hours]	Effect: Mortality
	Chronic - NOEC - Fresh water Daphnia - *Ceriodaphnia dubia* 1.7 mg/l [8 days]	OECD [Daphnia Magna Reproduction Test]
lead	**Acute - LC50 - Fresh water** Crustaceans - Water flea - *Ceriodaphnia reticulata* Age: <4 hours 530 µg/l [48 hours]	Effect: Mortality
	Acute - LC50 - Fresh water Fish - common carp - *Cyprinus carpio* - Juvenile (Fledgling, Hatchling, Weanling) Size: 3.5 cm 0.44 ppm [96 hours]	Effect: Mortality
	Chronic - NOEC - Fresh water Fish - common carp - *Cyprinus carpio* Age: 13 months; Size: 10.5 cm; Weight: 27.8 g 0.03 µg/l [4 weeks]	Effect: Accumulation
	Acute - EC50 - Fresh water Algae - Green algae - *Raphidocelis subcapitata* - Exponential growth phase 20.5 µg/l [72 hours]	Effect: Population OECD
	Chronic - EC10 - Fresh water Algae - Green algae - *Raphidocelis subcapitata* - Exponential growth phase 3.9 µg/l [72 hours]	Effect: Population OECD
nickel	**Acute - EC50 - Fresh water** Aquatic plants - Duckweed - *Lemna minor* 450 µg/l [4 days]	Effect: Growth
	Chronic - NOEC - Marine water Algae - Dinoflagellate - *Glenodinium halli* 100 mg/l [72 hours]	Effect: Population
	Chronic - NOEC - Fresh water Fish - common carp - *Cyprinus carpio*	Effect: Accumulation

Section 12. Ecological information

Age: 13 months; Size: 10.5 cm; Weight: 27.8 g 3.5 µg/l [4 weeks]	
Acute - LC50 - Fresh water Crustaceans - Water flea - *Ceriodaphnia dubia* - Juvenile (Fledgling, Hatchling, Weanling) Age: 2 to 8 hours 34.6 µg/l [48 hours]	Effect: Mortality US EPA, OECD
Chronic - EC10 Daphnia - Water flea - *Daphnia magna* - Neonate Age: <24 hours 6.9 µg/l [21 days]	Effect: Reproduction OECD
Acute - LC50 - Fresh water Fish - Indian catfish - *Heteropneustes fossilis* 47.5 ng/l [96 hours]	Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

This product, under the normal conditions of use, meets the definition of an "ARTICLE".
If dust or fumes are generated during processing (e.g., brazing, cutting, grinding, sawing, and welding) hazardous chemicals could be released.

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Reuse or recycle material whenever possible. If reuse or recycling is not possible, disposal must be made in accordance with local and governmental regulations.

Section 14. Transport information

	TDG Classification	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.

Additional information

DOT Classification : **Reportable quantity** 1111.1 lbs / 504.44 kg. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
Remarks Not Applicable when shipped as massive solid metal.

Special precautions for user : Not Applicable when shipped as massive solid metal.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : The following components are listed: aluminum (fume or dust only); zinc (and its compounds); manganese (and its compounds); copper (and its compounds); lead (and its compounds)

CEPA Toxic substances : None of the components are listed.

Canada inventory : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Ingredient name	List name	Status
Lead (Pb)	Heavy metals - Annex 1	Listed

Section 16. Other information

History

Date of issue/Date of revision : 11/02/2026

Date of previous issue : No previous validation

Version : 1

Prepared by : Sphera Solutions

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
DOT = Department of Transportation
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
IMO = International Maritime Organization
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

Procedure used to derive the classification

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method
TOXIC TO REPRODUCTION - Category 1A	Calculation method
TOXIC TO REPRODUCTION - Effects on or via lactation	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1	Calculation method

References : HPR = Hazardous Products Regulations

Indicates information that has changed from previously issued version.

Notice to reader

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