GENERAL STORAGE CODE GREEN

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Section 1

Identification

INNOVATING SCIENCE[®] by Aldon 221 Roc 24 Roc

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory and industrial use only. Not for drug, food or household use.

Product	ALUMINUM METAL	
Synonyms	Aluminum ; Aluminum Metal	
Section 2	Hazards identification	
to the Glob Chemicals. Signal worr Pictograms Target orga GHS Class GHS Label	ance or mixture has not been classified as hazardous according bally Harmonized System (GHS) of Classification and Labeling of d: Not classified s: Not classified ans: None known. ification: Not classified information: Hazard statement(s): Not classified ary statement(s): Not classified	Supplementary information: Do not inhale dust or fumes. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Combustible dust Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Aluminum		7429-90-5	>99.5%	231-072-3	
Section 4	First aid measures				

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Sand, dry chemical, or CO₂ should be used on surrounding fire. Do NOT use water on fire where molten metal is present. Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Molten metals produce fume, vapor and/or dust that may be toxic and/or a respiratory irritant. Metal reacts with oxidizing agents. Reacts with some acids and caustic solutions to produce hydrogen. Molten aluminum may explode on contact with water. It may also react violently with rust, certain metal oxides (e.g. oxides of copper, iron and lead) and nitrates (e.g. ammonium nitrate and fertilizers containing ammonium nitrate).

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Recover for reuse if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7	Handling and storage	Page E2 of E
Read label on contain	er before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. Keep out of reach of children.	Use with
adequate ventilation.	Wash thoroughly after handling.	

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale dust or fumes. Wash thoroughly after handling. Remove and wash clothing before reuse.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name ACGIH (TLV)		OSHA (PEL)	NIOSH (REL)			
Exposure Limits.	Aluminum, metal and insoluble compounds	TWA: 1 mg/m ³ (A4) Respirable fraction	TWA: 5 mg/m ³ Respirable fraction	TWA: 5 mg/m ³ Respirable fraction			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Physical and chemical pr	operties	
Appearance: Solid. Silver-grey metallic granules Odor: No odor. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: 660°C (1220°F) Boiling point: Data not available Flash point: Not applicable	Evaporation rate (=1): Not applicable Flammability (solid/gas): Not applicable Explosion limits: Lower / Upper: Not applicable Vapor pressure (mm Hg): Data not available Vapor density (Air = 1): 0.95 - 0.113 lb/in ³ Relative density (Specific gravity): Data not available Solubility(ies): Insoluble	Partition coefficient: Data not available Auto-ignition temperature: Not applicable Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Al Molecular weight: 26.98
Section 10 Stability and reactivity		
Chemical stability: Stable Conditions to avoid: Excessive temperatures and Incompatibilities with other materials: Strong oxi	Hazardous polymerization: Will not occur. heat. dizers, mineral acids, strong alkalies, halogenated hydrocarbo	ons, and water.
Hazardous decomposition products: Reacts with	water (in molten form), acids or alkalies to generate hydroge	en gas.
Section 11 Toxicological information	I Contraction of the second	
IARC: No component of this product present at leve OSHA: No component of this product present at leve Ca Prop 65: This product does not contain any chen Reproductive toxicity : Data not available STOT-single exposure : Data not available STOT-repeated exposure : Data not available Aspiration hazard : Data not available Potential health effects : Inhalation: Inhalation of dust or fumes may irritate re Ingestion: May be harmful if swallowed. Skin: May cause irritation. Eyes: Contact with eyes may cause irritation. Signs and symptoms of exposure : It has been re physical and toxicological properties have not been Additional information : RTECS # : BD0330000	ble s greater than or equal to 0.1% is identified as a known or ant ls greater than or equal to 0.1% is identified as probable, pos- els greater than or equal to 0.1% is identified as a carcinogen nicals known to the State of California to cause cancer or repr	sible or confirmed human carcinogen by IARC. or potential carcinogen by OSHA. roductive toxicity.
Section 12 Ecological information		
Toxicity to fish: No data available Toxicity to daphnia and other aquatic invertebrat Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard c		disposal.
Section 13 Disposal considerations		

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transpor	t information							
UN/NA number: Not applicate Hazard class: Not applicable Exceptions: Not applicable	e Packing g	name: Not group: Not Guide #	0	Reportable Qua	antity: No	Ма	rine pollutant: No	
Section 15 Regulator	Section 15 Regulatory information							
A chemical is considered to be listed if	the CAS number for the and	hydrous form is	on the Inventory list.					
Component		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65	
Aluminum		Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or	
							reproductive toxicity.	
Section 16 Other info	ormation							
The information contained herein is fur dent determinations of suitability and c IARC: International Agency for Resear	completeness of information	from all sources	to assure proper use	of these materials and	the safety and he	alth of employees	. NTP: National Toxicology Program,	

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Section 1

Product

Identification

LEAD METAL

INNOVATING SCIENCE[®] by Aldon 221 Red 221 Red

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Synonyms Lead	
Section 2 Hazards identification	
 Signal word: DANGER Pictograms: GHS07 / GHS08 / GHS09 Target organs: Lungs, Kidneys Acute toxicity, and Category 4) Acute toxicity, oral (Category 4) Acute toxicity, inhalation (Category 4) Reproductive toxicity (Category 1A) Carcinogenicity (Category 2) STOT RE (Category 2) Aquatic acute (Category 1) Aquatic chronic (Category 1) Aquatic chronic (Category 1) GHS Label information: Hazard statement: H302: Harmful if swallowed. H332: Harmful if inhaled. H351: Suspected of causing cancer. H360: May damage fertility or the unborn child. H373: May cause damage to organs through prolonged or repeated exposure. H410: Very toxic to aquatic life with long lasting effects. 	 Precautionary statement: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust. P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312: Call a POISON CENTER or doctor if you feel unwell. P308+P313: IF exposed or concerned: Get medical attention. P391: Collect spillage. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.
Hazards not otherwise classified:	

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients				
Chemical Name		CAS #	%	EINECS	
Lead metal		7439-92-1	>99%	231-100-4	
Section 4	First aid measures				

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand. Do not use water on fire where molten metal is present.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Molten metals produce fume, vapor and/or dust that may be toxic and/or a respiratory irritant. Metal reacts with oxidizing agents. Molten lead may explde on contact with water.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Recover for reuse if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal prot	ection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	Lead and inorganic compounds	TWA: 0.05 mg/m ³ (A3)	TWA: 0.05 mg/m ³	TWA: 0.05 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

approved respirator.								
Section 9	Physical and chem	nical proper	rties					
Odor: No odor. Odor threshold: Da pH: Data not availab	ble. boint: 327°C (621°F) 8°C (3187°F)	Fla Ex Va Va Re	ammability (plosion limi por pressur por density lative densi	ate (=1): Data not solid/gas): Data not its: Lower / Upper: e (mm Hg): Data not (Air = 1): Data not a ty (Specific gravity) : Insoluble in water.	available. Data not available t available vailable	Auto-igniti Decompos Viscosity: Molecular		Data not available e: Data not available.
Section 10	Stability and reacting	ivity						
Incompatible mater	Stable d: Excessive temperatur rials: Strong oxidizers, h position products: Lead	hydrogen per		ous polymerization:	Will not occur.			
Section 11	Toxicological infor	mation						
Germ cell mutagen Carcinogenity: Dai NTP: Reasonably ar IARC classified: Gro OSHA: This product CA Prop 65: A WAR defects, or other rep Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalatio Ingestion: May caus Skin: Contact with s Eyes: Contact with s	nticipated to be a human bup 2B: Possibly carcinog contains a chemical kno RNING! : This product ca productive harm. city: Data not available sure: Data not available Dosure: Data not available Data not available	e n carcinogen. genic to hum. own to cause an expose you ble ause lead pois alaise, convu. nt irritation. er of cumulati	hans. e cancer. uu to chemica isoning. ulsions, due t	to increased intracrar	ial pressure.			alifornia to cause cancer, birt
Section 12	Ecological information	ation						
Toxicity to algae: N Persistence and de Mobility in soil: No	a and other aquatic inve lo data available egradability: No data av	vailable	Bioaccum PBT and v	ulative potential: No PvB assessment: N	lo data available	or disposal.		
Section 13	Disposal considera	ations						
These disposal guregulations may be Section 14	idelines are intended f e different. Dispose of Transport informa	of in accorda	osal of cata ince with al	log-size quantities l local, state and fe	only. Federal regu deral regulations of	lations may a r contract with	pply to empty co a licensed che	ontainer. State and/or loca mical disposal agency.
UN/NA number:			namo. N	lot Regulated				
Hazard class: Not Exceptions: Not	ot applicable	Packing	group: N	ot applicable Not applicable	Reportable Qu	antity: No	Ма	rine pollutant: No
Section 15	Regulatory informa	ation						
A chemical is considere	ed to be listed if the CAS nur		nhydrous form	is on the Inventory list.				
Compone	ent		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Lead metal			Listed	Not listed				•

Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

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Section 1

Identification

INNOVATING SCIENCE^{® by Aldon} 221 Rog

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177

CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory and industrial use only.

Not for drug, food or household use.

Product NICKEL METAL, SHOT	
Synonyms Nickel Powder / Nickel / Nickel Shot	
Section 2 Hazards identification	
Signal word: DANGER Pictograms: GHS07 / GHS08 Target organs: Lungs	 Precautionary statement: P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust or fume. 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. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P333+P313: If skin irritation or rash occurs: Get medical attention. P362+P364: Take off contaminated clothing and wash it before reuse. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Not Known

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on	ingredients			
Chemical Name		CAS #	%	EINECS	
Nickel shot		7440-02-0	100%	231-111-4	
Section 4	First aid measures				
Section 4	First alu measures				

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand. Do NOT use water on fire where molten metal is present.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Metal reacts with oxidizing agents. Reacts with some acids and caustic solutions ro produce hydrogen. Molten metals produce fumes, vapor and/or dust that may be toxic and/or a respiratory irritant.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Recover for reuse if not contaminated. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling and storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts or fume. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
	Nickel, elemental	TWA: 1.5 mg/m ³ I	TWA: 1.5 mg/m ³	TWA: 0.015 mg/m ³ as Ni			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9 Physical and chemical p	roperties					
Appearance: Solid. Silvery gray, spherical metal peices. Odor: No odor. Odor threshold: Data not available. pH: Data not available. Melting / Freezing point: 1452°C (2645°F) Boiling point: 2732°C (4950°F) Flash point: Flammable as dust	Evaporation rate (=1): Data not available Flammability (solid/gas): Data not available. Explosion limits: Lower / Upper: Data not available Vapor pressure (mm Hg): 1 mm @ 1810°C Vapor density (Air = 1): Data not available Relative density (Specific gravity): 8.90 @ 20°C Solubility(ies): Insoluble in water.	Partition coefficient: Data not available Auto-ignition temperature: Data not available Decomposition temperature: Data not available. Viscosity: Data not available. Molecular formula: Ni Molecular weight: 58.71				
Section 10 Stability and reactivity						
Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Excessive temperatures and heat. Storage near mineral acids.						
Incompatible materials: Ammonium nitrate, perchlorates, phosphorus, selenium, sulfur. Slowly attacked by dilute hydrochloric acid or sulfuric acid. Readily attacked by nitric acid.						
Hazardous decomposition products: Reacts with mineral acids to generate hydrogen. Evolved hydrogen may become an explosion hazard. Heating nickel metal emits nickel dust or fumes.						

Section 11	Toxicological inform	ation					
Section 11 Toxicological information Acute toxicity: Data not available Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Carcinogenity: Data not available Garcinogenity: Data not available NTP: Known to be a human carcinogen. IARC classified: Group 2B: Possibly carcinogenic to humans. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CA Prop 65: ▲ WARNINGI : This product can expose you to Nickel, which is known to the State of California to cause cancer. Reproductive toxicity: Data not available STOT-single exposure: Data not available STOT-repeated exposure: Inhalation - Causes damage to organs through prolonged or repeated exposure. Aspiration hazard: Data not available Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if absorbed through skin. May cause skin irritation. Ingestion May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation. Signs and symptoms of exposure: Exercise appropriate procedures to minimize potential hazards.							
Section 12	Section 12 Ecological information						
Toxicity to fish: LC50 - Cyprinus carpio (Carp) - 1.3 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates: EC50 - Daphnia magna (Water flea) - 1 mg/l - 48 h Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.							
Section 13	Disposal considerat			0			
These disposal g regulations may b	uidelines are intended fo e different. Dispose of i	r the disposal of catal n accordance with all	og-size quantities o local, state and fed	only. Federal reguleral reguleral regulations or	lations may ap contract with	oply to empty c a licensed che	ontainer. State and/or local mical disposal agency.
Section 14	Transport information			Ŭ			
Hazard class: N Exceptions: N	UN/NA number:Not applicableShipping name:Not RegulatedHazard class:Not applicablePacking group:Not applicableReportable Quantity:NoExceptions:Not applicable2020 ERG Guide # Not applicableReportable Quantity:No						
Section 15 A chemical is consider	Regulatory informati ed to be listed if the CAS numb		is on the Inventory list				
Compoi		TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Nickel, shot		Listed	Not listed	Not listed	Listed	Not listed	WARNING -Cancer - www.P65Warnings.ca.gov.
Section 16	Section 16 Other information						
The information conta	inad barain is furnished without	worranty of any kind. Em	alovera abould use this i	nformation only on a su	upplement to othe	, information anthe	and has there and much make indepen

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

GENERAL STORAGE CODE GREEN

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Section 1

Identification

INNOVATING SCIENCE® by Aldon 221 Rose Avron N

"Cutting edge science for the classroom"

221 Rochester Street Avon, NY 14414-9409 (585) 226-6177 CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300

For laboratory and industrial use only. Not for drug, food or household use.

Product ZINC SHOT	
Section 2 Hazards identification	
This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. Signal word: Not classified Pictograms: Not classified Target organs: None known GHS Classification: Not classified GHS Label information: Hazard statement(s): Not classified Precautionary statement(s): Not classified	Supplemental information: Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Combustible dust Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3	Composition / information on ingredients					
Chemical Name		CAS #	%	EINECS		
Zinc, shot		7440-66-6	100%	231-175-3		
Section 4	First aid measures					

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED AS FUME. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE MECHANICAL IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY CAUSE DERMATITIS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Use triclass, dry chemical fire extinguisher. Do NOT use water on fire where molten metal is present.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Molten metals produce fume, vapor and/or dust that may be toxic and/or a respiratory irritant. Metal reacts with oxidizing agents. Small chips, turnings, and dust with ignite readily. Dust cloud may be explosive.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7	Handling and storage	Page E2 o
Description of the second state	and after union. Do not use a set of the second in a with the second line of the the set of the the set of the	Le la contala

Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. Keep out of reach of children. Use with adequate ventilation. Wash thoroughly after handling.

Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion. Do not inhale fumes from molten metals. Wash thoroughly after handling. Remove and wash clothing before reuse.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure controls / personal protection						
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)			
	Particulates not otherwise classified	None established	TWA: 5 mg/m ³ respirable fraction	None established			

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Section 9 Physical and chemical properties								
Appearance: Solid. Odor: No odor. Odor threshold: Da pH: Data not availab Melting / Freezing poin Boiling point: 907°0 Flash point: Not ap	ole. nt: 419°C (787°F) C (1665°F)	Evaporation rate (=1): Not applicablePartition cdFlammability (solid/gas): Not applicableAuto-ignitiExplosion limits: Lower / Upper: Not applicableDecomposVapor pressure (mm Hg): Data not availableViscosity:Vapor density (Air = 1): Data not availableMolecular data			coefficient: Data not available ition temperature: Not applicable osition temperature: Data not available. r: Data not available. r formula: Zn r weight: 65.38				
Section 10	Section 10 Stability and reactivity								
Conditions to avoid Incompatibilities wi	Chemical stability: Stable Hazardous polymerization: Will not occur. Conditions to avoid: Excessive temperatures. Hydrogen may evolve when in contact with water or damp air. Incompatibilities with other materials: Strong acids, halogens, acids, alkalies and water. Hazardous decomposition products: Zinc oxides and zinc fumes. Reacts with water, acids or alkalies to generate hydrogen gas.								
Section 11	Toxicological information	ı							
Skin corrosion/irrita Serious eye damag Respiratory or skin Germ cell mutageni Carcinogenity: Dat NTP: No component IARC: No componen Ca Prop 65: This pro Reproductive toxici STOT-single expose STOT-repeated exp Aspiration hazard: Potential health effe Inhalation: Inhalation Ingestion: May be ha Skin: May cause der Eyes: Contact with effe	Acute toxicity: Data not available Skin corrosion/irritation: Data not available Serious eye damage/irritation: Data not available Respiratory or skin sensitization: Data not available Germ cell mutagenicity: Data not available Germ cell mutagenicity: Data not available Parcinogenity: Data not available NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Ca Prop 65: This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity. Reproductive toxicity: Data not available STOT-single exposure: Data not available StoT-repeated exposure: Data not available Aspiration hazard: Data not available Potential health effects: Inhalation: Inhalation of dust or fume may cause irritation to eyes, nose, throat, and cause a metallic taste in the mouth. May cause metal fume fever or produce flu-like symptoms. Ingestion: May be harmful if swallowed. Skin: May cause dermatitis. Eyes: Contact with eyes may cause mechanical irritation.								
Section 12	Ecological information								
Toxicity to fish: No data available Toxicity to daphnia and other aquatic invertebrates: No data available Toxicity to algae: No data available Persistence and degradability: No data available Mobility in soil: No data available Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.									
Section 13	Disposal considerations								
regulations may be	These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.								
Section 14	Transport information								
UN/NA number: Hazard class: No	t applicable Pac	pping name: Not R king group: Not ap	plicable	Reportable Qua	ntity: No	Ма	rine pollutant: No		
Exceptions: Not) ERG Guide # Not	аррисаріе						
Section 15	Regulatory information	the aphydrous form is an	the Inventory list						
Compone	d to be listed if the CAS number for nt		ERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65		
Zinc		Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.		
Section 16	Section 16 Other information								
							ered by them and must make indepen-		

ndent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015

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