

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Nachurs MoneyBall

1.2. Intended Use of the Product

Agriculture

1.3. Name, Address, and Telephone of the Responsible Party

Company

Nachurs Alpine Solutions

421 Leader St.

Marion, OH 43302

740-382-5701

Company

Nachurs Alpine Solutions

30 Neville Street

New Hamburg, ON N3A 4G7 CANADA

1-519-662-2352

1.4. Emergency Telephone Number

Emergency Number : CHEMTREC: 1-800-424-9300

CANUTEC: 1-613-996-6666 (CANADA)

QM: 1-887-387-7745 (CANADA)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Respiratory sensitization, Category 1

H334

Skin sensitization, Category 1

H317

Carcinogenicity Category 1B

H350

Reproductive toxicity Category 1B

H360

Hazardous to the aquatic environment – Acute Hazard Category 3

H402

Hazardous to the aquatic environment – Chronic Hazard Category 3

H412

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



GHS08

Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H317 - May cause an allergic skin reaction.
H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
H350 - May cause cancer (Inhalation).
H360 - May damage fertility or the unborn child.
H402 - Harmful to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing vapors, mist, or spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.

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P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Cuprate(2-), [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, diammonium, (OC-6-21)-	Cuprate(2-), [[N,N'-1,2-ethanediybis[N-[(carboxy-.kappa.O)methyl]glycinato-.kappa.N,.kappa.O]](4-)-, diammonium, (OC-6-21)- / Diammonium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cuprate(2-) / N,N'-1,2-Ethanediybis[N-(carboxymethyl)glycinato]](4-) cuprate, diammonium / Ethylenediaminetetraacetic acid, diammonium copper salt / Diammonium-[[N,N'-ethylenbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']cuprate(2-) / Cuprate(2-), [[N,N'-1,2-ethanediybis[N-[(carboxy-.kappa.O)methyl]glycinato-.kappa.N,.kappa.O]](4-)-, diammonium (1:2), (OC-6-21)- / Edetate diammonium copper	(CAS-No.) 67989-88-2	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Manganate(2-), [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dipotassium, (OC-6-21)-	Dipotassium [[N,N'-ethylenebis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']manganate(2-) / Manganate(2-), [[N,N'-1,2-ethanediybis[N-[(carboxy-.kappa.O)methyl]glycinato-.kappa.N,.kappa.O]](4-)-, dipotassium, (OC-6-21)- / Manganate(2-), [[N,N'-1,2-ethanediybis[N-[(carboxy-.kappa.O)methyl]glycinato-.kappa.N,.kappa.O]](4-)-, potassium (1:2), (OC-6-21)- / Manganate(2-), [[N,N'-1,2-ethanediybis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dipotassium / Dipotassium salt of manganese ethylenediaminetetraacetate / Potassium [(ethylenedinitrilo)tetraacetat	(CAS-No.) 68015-77-0	1 - 5	Not classified

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	ojmanganate(II)			
Disodium molybdate dihydrate	Sodium molybdate dihydrate / Molybdic acid, disodium salt, dihydrate / Molybdate (MoO42-), disodium, dihydrate, (T-4)- / Molybdic acid (H2MoO4), disodium salt, dihydrate / Molybdate, disodium, dihydrate, (T-4)- / (T-4)-Disodium molybdate dihydrate / Molybdate (MoO42-), sodium, hydrate (1:2:2), (T-4)- / Sodium molybdate (Na2MoO4) dihydrate	(CAS-No.) 10102-40-6	0.5 - 1.5	Not classified
Cobalt sulfate	Cobalt sulphate / Cobalt(II) sulfate / Cobalt(II) sulfate (1:1) / Cobaltous sulfate / Sulfuric acid, cobalt(2+) salt (1:1) / Cobalt[II] sulfate / Cobalt(II) sulphate	(CAS-No.) 10124-43-3	0.1 - 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 Resp. Sens. 1, H334 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 Repr. 1B, H360 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Sodium hydroxide	Caustic soda / Sodium hydroxide (Na(OH)) / SODIUM HYDROXIDE / LYE	(CAS-No.) 1310-73-2	< 0.1	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402
Boric acid (H3BO3), compound with 2-	aminoethanol	(CAS No) 26038-87-9	Proprietary	Not Classified

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%). The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.

Eye Contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitization. May cause cancer. May damage fertility. May damage the unborn child.

Inhalation: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause slight irritation to eyes.

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Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. May damage fertility or the unborn child. Exposure may produce an allergic reaction.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

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

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Boron compounds. Cobalt oxides. Molybdenum oxides. Manganese oxides. Sodium oxides. Copper oxides. Potassium oxides.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, spray. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

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Agriculture

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Sodium hydroxide (1310-73-2)		
USA ACGIH	ACGIH OEL Ceiling	2 mg/m ³
USA OSHA	OSHA PEL (TWA) [1]	2 mg/m ³
USA NIOSH	NIOSH REL (Ceiling)	2 mg/m ³
USA IDLH	IDLH	10 mg/m ³
Alberta	OEL C	2 mg/m ³
British Columbia	OEL C	2 mg/m ³
Manitoba	OEL C	2 mg/m ³
New Brunswick	OEL C	2 mg/m ³
Newfoundland & Labrador	OEL C	2 mg/m ³
Nova Scotia	OEL C	2 mg/m ³
Nunavut	OEL C	2 mg/m ³
Northwest Territories	OEL C	2 mg/m ³
Ontario	OEL C	2 mg/m ³
Prince Edward Island	OEL C	2 mg/m ³
Québec	Plafond (OEL C)	2 mg/m ³
Saskatchewan	OEL C	2 mg/m ³
Yukon	OEL C	2 mg/m ³
Molybdenum soluble compounds		
USA ACGIH	ACGIH OEL TWA	0.5 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA OSHA	OSHA PEL (TWA) [1]	5 mg/m ³
USA IDLH	IDLH	1000 mg/m ³
Alberta	OEL TWA	0.5 mg/m ³ (respirable)
British Columbia	OEL TWA	0.5 mg/m ³ (respirable)
Manitoba	OEL TWA	0.5 mg/m ³ (respirable particulate matter)
New Brunswick	OEL TWA	0.5 mg/m ³ (respirable fraction)
Newfoundland & Labrador	OEL TWA	0.5 mg/m ³ (respirable particulate matter)
Nova Scotia	OEL TWA	0.5 mg/m ³ (respirable particulate matter)
Nunavut	OEL STEL	1.5 mg/m ³ (respirable fraction)
Nunavut	OEL TWA	0.5 mg/m ³ (respirable fraction)
Northwest Territories	OEL STEL	1.5 mg/m ³ (respirable fraction)
Northwest Territories	OEL TWA	0.5 mg/m ³ (respirable fraction)
Ontario	OEL TWA	0.5 mg/m ³ (respirable particulate matter)
Prince Edward Island	OEL TWA	0.5 mg/m ³ (respirable particulate matter)
Québec	VEMP (OEL TWA EV)	0.5 mg/m ³ (respirable dust)
Saskatchewan	OEL STEL	1.5 mg/m ³ (respirable fraction)
Saskatchewan	OEL TWA	0.5 mg/m ³ (respirable fraction)
Yukon	OEL STEL	10 mg/m ³
Yukon	OEL TWA	5 mg/m ³
Cobalt inorganic compounds		
USA ACGIH	ACGIH OEL TWA	0.02 mg/m ³ (inhalable particulate matter)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, dermal sensitizer

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USA ACGIH	BEI (BLV)	15 µg/l Parameter: Cobalt - Medium: urine - Sampling time: end of shift at end of workweek (nonspecific)
Alberta	OEL TWA	0.02 mg/m ³
British Columbia	OEL TWA	0.02 mg/m ³ (total)
Manitoba	OEL TWA	0.02 mg/m ³ (inhalable particulate matter)
New Brunswick	OEL TWA	0.02 mg/m ³
Newfoundland & Labrador	OEL TWA	0.02 mg/m ³ (inhalable particulate matter)
Nova Scotia	OEL TWA	0.02 mg/m ³ (inhalable particulate matter)
Nunavut	OEL STEL	0.06 mg/m ³
Nunavut	OEL TWA	0.02 mg/m ³
Northwest Territories	OEL STEL	0.06 mg/m ³
Northwest Territories	OEL TWA	0.02 mg/m ³
Ontario	OEL TWA	0.02 mg/m ³
Prince Edward Island	OEL TWA	0.02 mg/m ³ (inhalable particulate matter)
Québec	VEMP (OEL TWAEV)	0.02 mg/m ³
Saskatchewan	OEL STEL	0.06 mg/m ³
Saskatchewan	OEL TWA	0.02 mg/m ³
Copper compounds		
USA ACGIH	ACGIH OEL TWA	1 mg/m ³ (dust and mist)
USA NIOSH	NIOSH REL (TWA)	1 mg/m ³ (dust and mist)
USA IDLH	IDLH	100 mg/m ³ (dust and mist)
Manitoba	OEL TWA	1 mg/m ³ (dust and mist)
New Brunswick	OEL TWA	1 mg/m ³ (dust and mist)
Newfoundland & Labrador	OEL TWA	1 mg/m ³ (dust and mist)
Nova Scotia	OEL TWA	1 mg/m ³ (dust and mist)
Prince Edward Island	OEL TWA	1 mg/m ³ (dust and mist)
Manganese compounds		
USA OSHA	OSHA PEL (Ceiling)	5 mg/m ³
USA NIOSH	NIOSH REL (TWA)	1 mg/m ³
USA NIOSH	NIOSH REL (STEL)	3 mg/m ³
USA IDLH	IDLH	500 mg/m ³
Québec	VEMP (OEL TWAEV)	0.2 mg/m ³ (total dust and fume)
Yukon	OEL C	5 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State : Liquid

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Appearance	: Green/Brown
Odor	: No data available
Odor Threshold	: No data available

pH	: 7.5 – 8.5
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Density	: 10.4 lb/gal
Specific Gravity	: 1.248
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Boron compounds. Cobalt oxides. Oxides of manganese. Molybdenum oxides. Sodium oxides. Copper oxides. Potassium oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

LD50 and LC50 Data:

No additional information available

Skin Corrosion/Irritation: Not classified

pH: 7.5 – 8.5

Eye Damage/Irritation: Not classified

pH: 7.5 – 8.5

Respiratory or Skin Sensitization: May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer (Inhalation).

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: May damage fertility or the unborn child.

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Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. May damage fertility or the unborn child. Exposure may produce an allergic reaction.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Cobalt sulfate (10124-43-3)	
LD50 Oral Rat	424 mg/kg (Source: NZ_CCID)
LD50 Dermal Rabbit	> 2000 mg/kg
Manganate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dipotassium, (OC-6-21)- (68015-77-0)	
LD50 Oral Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 5.16 mg/l/4h
Cuprate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, diammonium, (OC-6-21)- (67989-88-2)	
ATE US/CA (oral)	500.00 mg/kg body weight
Sodium hydroxide (1310-73-2)	
LD50 Oral Rat	325 mg/kg
Cobalt sulfate (10124-43-3)	
IARC Group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Cobalt compounds	
IARC Group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Cobalt(II) compounds	
IARC Group	3

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Harmful to aquatic life with long lasting effects.

Cobalt sulfate (10124-43-3)	
LC50 Fish 1	3.6 mg/l
Disodium molybdate dihydrate (10102-40-6)	
LC50 Fish 1	609.1 mg/l (Exposure time: 96 h - Species: Pimephales promelas [Semi-static])
EC50 - Crustacea [1]	1680.4 (1680.4 – 1776.6) mg/l (Exposure time: 48 h - Species: Daphnia magna [Semi-static])
ErC50 algae	331.1 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [Static])
Sodium hydroxide (1310-73-2)	
LC50 Fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l

12.2. Persistence and Degradability

Nachurs MoneyBall	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

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Nachurs MoneyBall	
Bioaccumulative Potential	Not established.
Cobalt sulfate (10124-43-3)	
BCF Fish 1	(no bioaccumulation)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

14.3. In Accordance with IATA

Not regulated for transport

14.4. In Accordance with TDG

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Nachurs MoneyBall	
SARA Section 311/312 Hazard Classes	Health hazard - Carcinogenicity Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity
Cobalt sulfate (10124-43-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Manganate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dipotassium, (OC-6-21)- (68015-77-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Cuprate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, diammonium, (OC-6-21)- (67989-88-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Sodium hydroxide (1310-73-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb
Cobalt inorganic compounds	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 % (includes any unique chemical substance that contains Cobalt as part of that chemical's infrastructure)
Copper compounds	
Subject to reporting requirements of United States SARA Section 313	


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SARA Section 313 - Emission Reporting	1 % (includes any unique chemical substance that contains Copper as part of that chemical's infrastructure except for CAS numbers 147-14-8, 1328-53-6, or 14302-13-7, or copper phthalocyanine compounds that are substituted with only Hydrogen and/or Bromine and/or Chlorine that meet the molecular structure specified within the regulation)
Manganese compounds	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % (includes any unique chemical substance that contains Manganese as part of that chemical's infrastructure)

15.2. US State Regulations

State or local regulations
California Proposition 65
 WARNING: This product can expose you to Cobalt sulfate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Cobalt sulfate (10124-43-3)	X			

Sodium hydroxide (1310-73-2)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Cobalt compounds
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Copper compounds
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Manganese compounds
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

15.3. Canadian Regulations

Cobalt sulfate (10124-43-3)
Listed on the Canadian DSL (Domestic Substances List)
Manganate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, dipotassium, (OC-6-21)- (68015-77-0)
Listed on the Canadian DSL (Domestic Substances List)
Cuprate(2-), [[N,N'-1,2-ethanediylbis[N-(carboxymethyl)glycinato]](4-)-N,N',O,O',ON,ON']-, diammonium, (OC-6-21)- (67989-88-2)
Listed on the Canadian DSL (Domestic Substances List)
Sodium hydroxide (1310-73-2)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 01/29/2024

Nachurs MoneyBall

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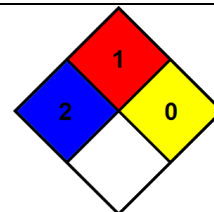
Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

- NFPA Health Hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- NFPA Fire Hazard : 1 - Materials that must be preheated before ignition can occur.
- NFPA Reactivity Hazard : 0 - Material that in themselves are normally stable, even under fire conditions.



Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC_RAR: European Commission Renewal Assessment Report

EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA_API: European Chemicals Agency API

ECHA_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU_CLH: European Union Harmonised Classification and Labelling Proposal

EU_RAR: European Union Risk Assessment Report

FOOD_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCLID: International Uniform Chemical Information Database

JAPAN_GHS: Japan GHS Basis for Classification Data

JP_J-CHECK: Japan J-Check

KR_NIER: South Korea National Institute of Environmental Research Evaluations
NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM_CIP: National Library of Medicine ChemID plus database

NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank

NLM_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ_CCID: New Zealand Chemical Classification and Information Database

OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

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

NA GHS SDS 2015 (Can, US)