



Safety Data Sheet
OSHA Hazard Communication Standard
29 CFR 1910.1200. Prepared to GHS Rev 3.

Revision date: Initial version

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Trade name: #921 CoZiCa Drier Blend
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SECTION 1: Identification

Product identifier used on the label:**Product Name:** #921 CoZiCa Drier Blend**Other means of identification:****Product Code Number:** 921-120**Recommended use of the chemical and restrictions on use:****Recommended use:** Artist medium.**Recommended restrictions:** Uses other than as recommended above.**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**

Company Name:	Eco-House Inc.
Company Address:	PO Box 220 STN. A Fredericton, NB E3B 4Y9 Canada.
Company Telephone:	506-366-3529 (9 AM-5.30 PM AST)
Company Contact Name:	Elizabeth Richards
Company Contact Email:	elizabeth@eco-house.com

Emergency phone number: 506-366-3529

SECTION 2: Hazard(s) identification
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Classification of the chemical in accordance with paragraph (d) of §1910.1200:**Physical hazards**

No physical hazards under OSHA paragraph (d) of §1910.1200

Health hazards

Aspiration hazard, Category 1.
Skin corrosion/irritation, Category 2.
Skin sensitization, Category 1.
Eye damage/irritation, Category 1.
Reproductive toxicity, Category 2.

#921 CoZiCa Drier Blend***Environmental hazards***

Not adopted under OSHA paragraph (d) of §1910.1200

GHS Signal word:**DANGER.****GHS Hazard statement(s):**

H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H361 - Suspected of damaging fertility or the unborn child.

GHS Hazard symbol(s):**GHS Precautionary statement(s):****Prevention:**

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Wash skin thoroughly after handling.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- If swallowed: Immediately call a poison center/doctor.
- If on skin: Wash with plenty of water.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a poison center/doctor.
- Specific treatment (see sections 4 to 8 on this SDS and any further information on the label).
- Do NOT induce vomiting.
- If skin irritation or rash occurs: Get medical advice/attention.
- Take off contaminated clothing and wash it before reuse.

Storage:

- Store locked up

Disposal:

- Dispose of contents/container to an approved disposal site in accordance with local/regional/national/international regulations.

#921 CoZiCa Drier Blend**Hazard(s) not otherwise classified (HNOC):**

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

Percentage of ingredient(s) of unknown acute toxicity:

93% of the mixture consists of ingredients of unknown acute toxicity (oral).

100% of the mixture consists of ingredients of unknown acute toxicity (dermal/inhalation).

SECTION 3: Composition/information on ingredients

Mixture: Mixture containing cobalt, zirconium and calcium octoates, dissolved in a Mild Citrus Thinner without aromatics.

Chemical name	CAS#	Concentration (weight %)
Naphtha (Petroleum), Hydrotreated, Heavy	64742-48-9	40.2 – 44.1%
2-Ethylhexanoic acid, zirconium salt	22464-99-9	23.1 – 27.0%
Calcium bis (2-ethylhexanoate)	136-51-6	8.5-10.2%
Fatty acids, tall-oil, cobalt salts	61789-52-4	4.0%
Cobalt bis (2-ethylhexanoate)	136-52-7	3.2%
Hexanoic acid, 2-ethyl-, zinc salt, basic	85203-81-2	2.9 – 3.4%
Isoparaffinic Hydrocarbon	64764-47-8	2.4%
Terpenes and terpenoids, food grade	68917-57-7	< 1.8%

Note: The balance of the ingredients are not classified as hazardous or are below the concentration limit to be classified as hazardous, under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SECTION 4: First-aid measures**Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:**

Inhalation: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

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Skin contact: Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eye contact: In case of eye contact, remove contact lenses and rinse immediately with plenty of water, including under the eyelids, for at least 15 mins. Get medical attention if symptoms develop.

Ingestion: If large amounts are swallowed, seek medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed: May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Suspected of damaging fertility or the unborn child.

Indication of immediate medical attention and special treatment needed: If any symptoms are observed, contact a physician and give them this SDS sheet.

SECTION 5: Fire-fighting measures**Suitable (and unsuitable) extinguishing media:**

Suitable extinguishing media: Product is not combustible. Use dry chemical, carbon dioxide, or foam extinguishers.

Unsuitable extinguishing media: Full water jet.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Do not inhale explosion and/or combustion gases.

Hazardous combustion products include CO (Carbon Monoxide), CO₂ (Carbon Dioxide).

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus and protective clothing. Fight fire from a protected location. Wear self-contained breathing apparatus and protective clothing. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Evacuate personnel to safe areas. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Methods and materials for containment and cleaning up:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use water sparingly to

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minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Remove with absorbent material. Rinse affected area with water. Dispose of waste in accordance to local, state and federal regulations.

SECTION 7: Handling and storage

Precautions for safe handling: Keep out of the reach of children. Keep away from food and drinks. Do not inhale vapors. Avoid high vapor concentrations. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Conditions for safe storage, including any incompatibles: Keep containers closed in a dry, cool place. Keep away from incompatible materials (see Section 10) and food / feedstuffs. Protect container(s) against physical damage.

SECTION 8: Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200) (Table Z-1 Limits for Air Contaminants):		
Substance	PEL-TWA (8 hour)	PEL-STEL (15 min)
Naphtha (Petroleum), Hydrotreated, Heavy	n/a	n/a
2-Ethylhexanoic acid, zirconium salt	5 mg/m ³ (as Zr)	10 mg/m ³ (as Zr)
Calcium bis (2-ethylhexanoate)	n/a	n/a
Fatty acids, tall-oil, cobalt salts	0.1 mg/m ³	n/a
Cobalt bis (2-ethylhexanoate)	0.1 mg/m ³	n/a
Hexanoic acid, 2-ethyl-, zinc salt, basic	n/a	n/a
Isoparaffinic Hydrocarbon	n/a	n/a
Terpenes and terpenoids, food grade	n/a	n/a

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US ACGIH Threshold Limit Values		
Substance	TLV-TWA (8 hour)	TLV-STEL (15 min)
Naphtha (Petroleum), Hydrotreated, Heavy	n/a	n/a
2-Ethylhexanoic acid, zirconium salt	5 mg/m ³	10 mg/m ³
Calcium bis (2- ethylhexanoate)	n/a	n/a
Fatty acids, tall-oil, cobalt salts	0.02 mg/m ³	n/a
Cobalt bis (2-ethylhexanoate)	0.02 mg/m ³	n/a
Hexanoic acid, 2-ethyl-, zinc salt, basic	n/a	n/a
Isoparaffinic Hydrocarbon	n/a	n/a
Terpenes and terpenoids, food grade	n/a	n/a

Appropriate engineering controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear protective safety goggles, as per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Skin and hand protection: Wear protective gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Wear a protective mask when spraying paint containing this product. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

General hygiene considerations: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

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SECTION 9: Physical and chemical properties**Appearance (physical state, color, etc.):**

Physical state:	Liquid
Color:	Violet
Odor:	Mild odor
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	> 185 °C
Flash point:	> 72 °C (> 161.1 °F)
Evaporation rate:	0.087 as per ASTM 3539-87
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit – lower (%):	Not applicable
Flammability limit – upper (%):	Not applicable
Explosive limit – lower (%):	0.6
Explosive limit – upper (%):	7.0
Vapor pressure:	0.5 hPa @ 20 °C
Vapor density:	Not available
Relative density:	1.07 @ 20 °C
Solubility (ies):	Insoluble
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	> 225 °C (> 437 °F)
Decomposition temperature:	Not available
Viscosity (dynamic):	100.E-6 m ² /s @ 40 °C
Volatile parts by vol. %:	42%

SECTION 10: Stability and reactivity

Reactivity:	Not reactive.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Avoid moisture.
Incompatible materials:	Avoid contact with strong oxidizing agents, strong acids.
Hazardous decomposition Products:	None, when stored and handled appropriately. If involved in a fire, oxides of carbon may be generated.

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SECTION 11: Toxicological information**Information on likely routes of exposure:**

Inhalation:	Expected to be a route of entry.
Ingestion:	Expected to be a route of entry.
Skin:	Expected to be a route of entry.
Eyes:	Expected to be a route of entry.

Symptoms related to the physical, chemical, and toxicological characteristics:

May be fatal if swallowed and enters airways. Causes eye and skin irritation

Delayed and immediate effects and chronic effects from short or long-term exposure:

May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity (such as acute toxicity estimates):**Ingredient Information:**

Substance	Test Type (species)	Value
Naphtha (Petroleum), Hydrotreated, Heavy	LD ₅₀ Oral (Rat)	> 5000 mg/kg
	LD ₅₀ Dermal (Rabbit)	> 5000 mg/kg
	LC ₅₀ Inhalation (Rat)	4.95 mg/l - 4h
2-Ethylhexanoic acid, zirconium salt	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rat)	No data available
	LC ₅₀ Inhalation (Rat)	No data available
Calcium bis (2-ethylhexanoate)	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Rat)	No data available
Fatty acids, tall-oil, cobalt salts	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Rat)	No data available
Cobalt bis (2-ethylhexanoate)	LD ₅₀ Oral (Rat)	900 – 1200 mg/kg
	LD ₅₀ Dermal (Rat)	> 2000 mg/kg
	LC ₅₀ Inhalation (Rat)	> 0.1621 mg/l – 4h
Hexanoic acid, 2-ethyl-, zinc salt, basic	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Rat)	No data available
Isoparaffinic Hydrocarbon	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rabbit)	No data available

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	LC ₅₀ Inhalation (Rat)	No data available
Terpenes and terpenoids, food grade	LD ₅₀ Oral (Rat)	No data available
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Rat)	No data available

Skin corrosion/irritation:	Contact with skin may be irritating.
Serious eye damage/eye irritation:	Contact with eyes may cause serious eye damage.
Respiratory sensitization:	Not expected.
Skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
Carcinogenicity:	No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.
Reproductive toxicity:	One of the components present, 2-Ethylhexanoic acid, zirconium salt, is suspected of damaging fertility or the unborn child.
Specific target organ toxicity- Single exposure:	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
Specific target organ toxicity- Repeat exposure:	No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).
Aspiration hazard:	Naphtha (Petroleum), Hydrotreated, Heavy, has been classified for aspiration hazards (or are below the concentration threshold for classification).

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SECTION 12: Ecological information**Ecotoxicity (aquatic and terrestrial, where available):****Product data:** No data available**Ingredient Information:**

Substance	Test Type	Species	Value
Naphtha (Petroleum), Hydrotreated, Heavy	LC ₅₀	Fish Salmo gairdneri (Oncorhynchus mykiss)	> 1000 mg/l - 96 h
	EC ₅₀	Daphnia magna	> 1000 mg/l
	EC ₅₀	Algae Pseudokirchneriella subcapitata	100 mg/l – 72h
2-Ethylhexanoic acid, zirconium salt	LC ₅₀	Fish	> 100 mg/l – 96h
	EC ₅₀	Aquatic invertebrates (Crustacea)	0.17 mg/l - 48h
	EC ₅₀	Aquatic algae and cyanobacteria	49.3 mg/l – 72h
Calcium bis (2-ethylhexanoate)	LC ₅₀	Fish	> 100 mg/l – 96h
	EC ₅₀	Aquatic invertebrates (Crustacea)	85.4 mg/l – 48h
	EC ₅₀	Aquatic algae and cyanobacteria	49.3 mg/l – 72h
Fatty acids, tall-oil, cobalt salts	LC ₅₀	Fish	No data available
	EC ₅₀	Aquatic invertebrates (Crustacea)	No data available
	EC ₅₀	Aquatic algae and cyanobacteria	No data available
Cobalt bis (2-ethylhexanoate)	LC ₅₀	Fish	1.406 mg/l – 96h
	EC ₅₀	Aquatic invertebrates (Crustacea)	0.012 mg/l – 48h
	EC ₅₀	Aquatic algae and cyanobacteria	0.144 mg/l – 72h
Hexanoic acid, 2-ethyl-, zinc salt, basic	LC ₅₀	Fish	0.112 mg/l – 96h
	EC ₅₀	Aquatic invertebrates (Crustacea)	1.4 mg/l – 48h
	EC ₅₀	Aquatic algae and cyanobacteria	2.72 mg/l – 72h
Isoparaffinic Hydrocarbon	LC ₅₀	Fish	No data available
	EC ₅₀	Daphnia magna	No data available
	EC ₅₀	Microorganisms	No data available

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Terpenes and terpenoids, food grade	LC ₅₀	Fish	No data available
	EC ₅₀	Daphnia magna	No data available
	EC ₅₀	Microorganisms	No data available

Persistence and Degradability: Not established.

Bioaccumulative Potential: Not established.

Mobility in Soil: Not established.

Other adverse effects (such as hazardous to the ozone layer): Avoid release to the environment.

SECTION 13: Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Product - Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations. This product has been evaluated for RCRA characteristics and should not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous.

Contaminated packaging - Contaminated packaging may contain residues of product. Dispose of in the same manner as product. Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.

SECTION 14: Transport Information

US Department of Transportation Classification (49CFR)

Not regulated as dangerous goods.

IMDG (Transport by sea)

Not regulated as dangerous goods.

IATA (Transport by air)

Not regulated as dangerous goods.

Canada TDG Transportation of Dangerous Goods Regulations (SOR/2001-286)

Not regulated as dangerous goods.

Environmental hazards

Marine pollutant: This material may be a marine pollutant

#921 CoZiCa Drier Blend**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)**

No further relevant information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

No data available

SECTION 15: Regulatory Information**USA:**

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All of the ingredients are listed/registered or exempted on the U.S. EPA TSCA Inventory List.

CERCLA RQ: Hexanoic acid, 2-ethyl-, zinc salt (As Zn) – 1000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories:**

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard – No

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None listed

Section 311 hazardous chemical: None listed

SARA Section 313 (Specific toxic chemical listings): Fatty acids, tall-oil, cobalt salts (as Cobalt compounds), Cobalt bis (2-ethylhexanoate) (as Cobalt compounds).

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986): No components are listed on Prop 65.

Massachusetts Right to Know: None of the components are listed on the Massachusetts Right to Know List.

New Jersey Right to Know: Calcium bis(2-ethylhexanoate) and Cobalt bis (2-ethylhexanoate) (as cobalt compounds), are listed on the New Jersey Right to Know list.

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Pennsylvania Right to Know: Calcium bis(2-ethylhexanoate) is listed on the Pennsylvania Right to Know List.

Rhode Island Hazardous Substance List: 2-Ethylhexanoic acid, zirconium salt (as Zr) is listed on the Pennsylvania Right to Know List.

SECTION 16: Other Information

Revision Date: Mar 12, 2016

DISCLAIMER:

ATTENTION: These Safety Data Sheets are provided for general information only. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness.

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