

VISIONAIRE Natural Gold

Version	Revision Date:	SDS Number:	Date of last issue: -	
2.0	12/04/2019	10200000428	Date of first issue: 03/21/2018	

SECTION 1. IDENTIFICATION

Product name	:	VISIONAIRE Natural Gold
Product code	:	060314QP0
Manufacturer or supplier's d	eta	ils
Company name of supplier	:	ECKART America Corporation
Address	:	830 East Erie Street
		Painesville OH 44077
Telephone	:	866-458-7837
Telefax	:	(440) 354-6224
Emergency telephone	:	CHEMTREC: 800-424-9300
		CHEMTREC: 1-703-527-3387 (International)
		NCEC:

(contract no. ECKART29003-NCEC) US: +1 866 928 0789 (Toll free) Canada: +1 800 579 7421 (Toll Free) Mexico: +52 55 5004 8763

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200						
Acute toxicity (Oral)	:	Category 4				
GHS label elements Hazard pictograms	:					
Signal Word	:	Warning				
Hazard Statements	:	H302 Harmful if s	wallowed.			
Precautionary Statements	:	Prevention: P264 P270	Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.			
		Response:				
		P301 + P312 + P	330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.			



VISIONAIRE Natural Gold

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	12/04/2019	102000000428	Date of first issue: 03/21/2018

Disposal: P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

Copper

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Copper	7440-50-8	>= 50 - < 70
Zinc	7440-66-6	>= 20 - < 30
Silica	7631-86-9	>= 5 - < 10

SECTION 4. FIRST AID MEASURES

General advice	:	Take the victim into fresh air. Do not leave the victim unattended. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
If inhaled	:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Wash off immediately with soap and plenty of water.
In case of eye contact	:	Flush eyes with water as a precaution. Remove contact lenses.
		Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
•• •• • • •		If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Harmful if swallowed.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Special powder against metal fire



VISIONAIRE Natural Gold

Versi 2.0	ion	Revision Date: 12/04/2019		9S Number: 2000000428	Date of last issue: - Date of first issue: 03/21/2018	
	media	ble extinguishing c hazards during fire	:	Dry sand ABC powder Water High volume water Do not allow run-o courses.	[.] jet ff from fire fighting to enter drains or water	
	Further information Special protective equipment for fire-fighters		:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Wear self-contained breathing apparatus for firefighting if necessary.		
SEC	TION 6.	ACCIDENTAL RELE	ASE	E MEASURES		
	protecti	al precautions, ve equipment and ncy procedures	:	Use personal prot Evacuate personn Avoid dust format Avoid breathing du	el to safe areas. on.	
	Environ	mental precautions	:			
				Prevent further lea	om entering drains. kage or spillage if safe to do so. aminates rivers and lakes or drains inform ies.	
		s and materials for ment and cleaning up	:	Use mechanical h	andling equipment.	
				Pick up and transf	er to properly labeled containers.	
				Keep in suitable, c	losed containers for disposal.	

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	Normal measures for preventive fire protection.
fire and explosion		

Normal measures for preventive fire protection.





VISIONAIRE Natural Gold

Version 2.0	Revision Date: 12/04/2019	SDS Number: 102000000428	Date of last issue: - Date of first issue: 03/21/2018		
Advi	ce on safe handling	Routine house dusts do not ac Avoid formatio Do not breathe For personal p Smoking, eatin application are Dispose of rins	 Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid formation of respirable particles. Do not breathe vapors/dust. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. 		
Conc	litions for safe storage	: Electrical insta the technologic Keep away fro Do not store ne Keep containen To maintain pro sunlight. Keep containen place. Electrical insta the technologic	lations / working materials must comply with cal safety standards. m sources of ignition - No smoking. ear combustible materials. 's tightly closed in a cool, well-ventilated place. oduct quality, do not store in heat or direct 'tightly closed in a dry and well-ventilated lations / working materials must comply with cal safety standards.		
meas	nical sures/Precautions rials to avoid	: Keep away fro strongly acid m	umidity and water. m oxidizing agents, strongly alkaline and aterials in order to avoid exothermic reactions. gether with oxidizing and self-igniting products.		
	er information on ge stability	: Keep in a dry p	lace.		

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Copper	7440-50-8	TWA	1 mg/m3 (Copper)	ACGIH
		TWA (dust and mists)	1 mg/m3 (Copper)	NIOSH REL
		TWA	1 mg/m3 (Copper)	OSHA P0
		TWA	0.2 mg/m3 (Copper)	ACGIH

A member of **C ALTANA**





Version Revision Date: SDS Number: 2.0 12/04/2019 102000000428		Date of last issue: - Date of first issue: 03/21/2018			
			TWA	0.1 mg/m3 (Copper)	OSHA P0
			TWA (Dust and mist)	1 mg/m3 (Copper)	ACGIH
			TWA (Fumes)	0.2 mg/m3 (Copper)	ACGIH
			TWA (Dust)	1 mg/m3 (Copper)	NIOSH REL
			TWA (Mist)	1 mg/m3 (Copper)	NIOSH REI
			TWA (dusts and mists)	1 mg/m3 (Copper)	OSHA Z-1
			TWA (Fumes)	0.1 mg/m3 (Copper)	OSHA Z-1
			TWA (Fumes)	0.1 mg/m3 (Copper)	OSHA P0
			TWA (Dust and mist)	1 mg/m3 (Copper)	OSHA P0
Zinc		7440-66-6	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
			TWA (total dust)	15 mg/m3	OSHA Z-3
			TWA (respirable fraction)	5 mg/m3	OSHA Z-3
			TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
Silica		7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
			TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
			TWA	6 mg/m3 (Silica)	NIOSH REL

Personal protective	equipment
---------------------	-----------

Respiratory protection	:	Use suitable breathing protection if workplace concentration requires. Respirator with a dust filter P1 filter
Hand protection Material	:	Leather



VISIONAIRE Natural Gold

ersion .0	Revision Date: 12/04/2019	SDS Number: 102000000428	Date of last issue: - Date of first issue: 03/21/2018
Re	emarks	only depend on and is different break through t producer and th preventive skin The suitability f	or a specific workplace should be discussed
Eye protection		with the product : Safety glasses	ers of the protective gloves.
Skin a	and body protection	Choose body p	lothing s protective suit rotection according to the amount and f the dangerous substance at the work place.
Hygie	ene measures	: General industr Do not smoke. Wash hands be Keep away fror Keep away fror When using do When using do	ial hygiene practice. Fore breaks and at the end of workday. n food and drink. n tobacco products. not eat or drink.

Appearance Color Odor Odor Threshold pH Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas)	 powder gold odorless No data available Combustible Solids
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: No data available
Relative density	: No data available





VISIONAIRE Natural Gold

ersion .0			Date of last issue: - Date of first issue: 03/21/2018	
Partiti octan	ility(ies) on coefficient: n- ol/water gnition temperature	: No data availat : No data availat : No data availat	ble	
	mposition temperature	: No data availat : No data availat : No data availat	ble	
ECTION	10. STABILITY AND R	EACTIVITY		
	ical stability bility of hazardous	 No decomposition if stored and applied as directed. No decomposition if stored and applied as directed. No decomposition if stored and applied as directed. Stable under recommended storage conditions. No hazards to be specially mentioned. No decomposition if stored and applied as directed. Dust may form explosive mixture in air. 		
Condi	itions to avoid	: No data availat No data availat		
<u>Com</u> r Copp	ful if swallowed. conents: er: • oral toxicity	: Assessment: Tr single ingestion	e component/mixture is moderately toxic after	
Zinc: Acute	oral toxicity	: (Rat): > 2,000 r	na/ka	
	inhalation toxicity	: LC50 (Rat): 5.4 Exposure time: Test atmospher	1 mg/l 4 h	
Silica				
Acute	oral toxicity	: LD50 (Rat): 5,0		
		(Mouse): 15,00		
Acute	inhalation toxicity	: (Rat): 0.139 mg Exposure time:		
		7 / 1	5 A member of C ALTAN	



VISIONAIRE Natural Gold

Version	Revision Date: 12/04/2019	SDS Number:	Date of last issue: -
2.0		102000000428	Date of first issue: 03/21/2018
		102000000 120	Date 01 1115t 1550e. 05/21/2018

Acute dermal toxicity

: LD50 (Rabbit): > 5,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Copper: Remarks: May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Copper: Result: Eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.



VISIONAIRE Natural Gold

Version	Revision Date:	SDS Number:	Dat
2.0	12/04/2019	10200000428	Dat

Date of last issue: -Date of first issue: 03/21/2018

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Components:

Copper: Remarks: No data available

Silica:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity		
Components:		
Copper: M-Factor (Acute aquatic toxicity)	:	10
Ecotoxicology Assessment Acute aquatic toxicity Chronic aquatic toxicity		Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Zinc: Ecotoxicology Assessment Acute aquatic toxicity Chronic aquatic toxicity		Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Silica: Toxicity to daphnia and other aquatic invertebrates Toxicity to algae	:	(Daphnia): 7,600 mg/l (Chlorella pyrenoidosa): 440 mg/l





ersion 0	Revision Date: 12/04/2019	-	2000000428	Date of last issue: - Date of first issue: 03/21/2018
	stence and degradab ata available	ility		
	cumulative potential ata available			
	adverse effects ata available			
<u>Comp</u>	oonents:			
Сорр	er:			
	ional ecological nation	:	unprofessiona	tal hazard cannot be excluded in the event of handling or disposal. quatic life with long lasting effects.
Silica	:			
	ional ecological nation	:	No data availal	ble
CTION	13. DISPOSAL CONS	IDER	ATIONS	
Dispo	osal methods			
Waste	e from residues	:	courses or the Do not contam chemical or us Send to a licer	inate ponds, waterways or ditches with
Conta	minated packaging	:	Empty remainin Dispose of as Do not re-use	

SECTION 14. TRANSPORT INFORMATION

Domestic regulation

49 CFR

Not regulated as a dangerous good

International Regulations

IATA-DGR	
----------	--

UN/ID No. Proper shipping nan	 UN 3077 Environmentally hazardous substance, solid, n.o.s. (Copper metal powder) 	
Class	: 9	

In accordance with local and national regulations.





Version 2.0	Revision Date: 12/04/2019	SDS Number: 102000000428	Date of last issue: - Date of first issue: 03/21/2018
Labels Packi aircrat Packi	ng instruction (cargo	: III : Class 9 - Misc : 956 : 956	ellaneous dangerous substances and articles
IMDG UN nu Prope Class Packi Labels EmS	-Code umber er shipping name ng group s Code e pollutant	N.O.S. (Copper metal : 9 : III : 9 : F-A, S-F : yes	TALLY HAZARDOUS SUBSTANCE, SOLID, powder) egregation group 7 - Heavy metals and their
Rema	-	salts : For single pac packagings cc	kagings <=5L / 5 kg, or combination ntaining inner packagings <= 5L / 5 kg net per ig, SV375 ADR, 2.10.2.7 IMDG-Code, A197

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ
		(lbs)
Zinc	7440-66-6	1000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:





Version 2.0	Revision Date: 12/04/2019	SDS Number: 102000000428	Date of last issue: - Date of first issue: 03/2	21/2018
		Copper	7440-50-8	>= 50 - < 70 %
		Zinc	7440-66-6	>= 20 - < 30 %
Clean Air Act This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).				

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product contains the following toxic pollutants listed under the U.S. Clean Water Act Section 307Copper7440-50-865.8 %

Zinc	7440-66-6	28.2 %

US State Regulations

Massachusetts Right To Know		
Copper		7440-50-8
Zinc		7440-66-6
Silica		7631-86-9
Pennsylvania Right To Know		
Copper		7440-50-8
Zinc		7440-66-6
Silica		7631-86-9
Aluminum		7429-90-5

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.



VISIONAIRE Natural Gold

Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	12/04/2019	10200000428	Date of first issue: 03/21/2018



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances Copper	7440-50-8
Zinc	7440-66-6
Silica	7631-86-9
California Permissible Exposure Limits for Chemical Contaminants Copper	7440-50-8
Zinc	7440-66-6
Silica	7631-86-9
The ingredients of this product are reported in the following invento	ories:

The ingreatents of this product are reported in the following inventories.		
DSL	: All components of this product are on the Canadian DSL	
TSCA	: On TSCA Inventory	

TSCA list

No substances are subject to a Significant New Use Rule.

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: Zinc 7440-66-6

SECTION 16. OTHER INFORMATION

Full text of other abbreviation	ons	
ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL		USA. NIOSH Recommended Exposure Limits
OSHA PO	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3



Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	12/04/2019	10200000428	Date of first issue: 03/21/2018

		Mineral Dusts
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour
		workday during a 40-hour workweek
OSHA P0/TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average
AICS - Australian Inventory	of C	Chemical Substances; ASTM - American Society for the Testing of
Materials; bw - Body weigh	t; CE	RCLA - Comprehensive Environmental Response, Compensation,

sation. and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO -International Maritime Organization: ISHL - Industrial Safety and Health Law (Japan): ISO -International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 -Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level: NOELR - No Observable Effect Loading Rate: NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 12/04/2019

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific





Version	Revision Date:	SDS Number:	Date of last issue: -
2.0	12/04/2019	10200000428	Date of first issue: 03/21/2018

material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8