Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

VISIONAIRE Bright Sunflower Gold

Version 3.0

Revision Date 06.12.2019

Print Date 10.04.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name	:	VISIONAIRE Bright Sunflower Gold
Material number	:	060243QP0

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

Company	: ECKART GmbH
	Guentersthal 4
	91235 Hartenstein
Telephone	: +499152770
Telefax	: +499152777008
E-mail address	: msds.eckart@altana.com
Responsible/issuing person	

1.4 Emergency telephone number

NCEC: (contract no.: ECKART29003-NCEC) +44 1235 239671 (Middle East/Africa, call and response in your language) +1 215 207 0061 (Americas, call and response in your language) +65 3158 1074 (Asia-Pacific, call and response in your language)

SECTION 2: Hazards identification

GHS Classification

: Acute toxicity, Category 4, Oral, H302 Short-term (acute) aquatic hazard, Category 1, H400 Long-term (chronic) aquatic hazard, Category 1, H410

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GHS-Labelling			
Symbol(s)	:		
Signal word	:	Warning	
-		-	
Hazard statements	-	H302: Harmful if swallowed. H410: Very toxic to aquatic life with long	g lasting effects.
Precautionary statements	:	Prevention:	
·		P264 Wash skin thoroughly after han	
		P270 Do not eat, drink or smoke when P273 Avoid release to the environment	
		Response:	
			D: Call a POISON
			e mouth.
		1 5	
		P501 Dispose of contents/ container	to an approved waste
		disposal plant.	
		CENTER/doctor if you feel unwell. Rinse P391 Collect spillage. Disposal:	e mouth.

Hazardous components which must be listed on the label

Identification	CAS-No.
copper	7440-50-8
silicon dioxide	7631-86-9

Other hazards which do not result in classification

Combustible Solids

SECTION 3: Composition/information on ingredients

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Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
Copper	7440-50-8 231-159-6	Acute Tox.;4;H302 ;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	50 - 100
zinc powder — zinc dust (stabilised)	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	10 - 20
silicon dioxide	7631-86-9 231-545-4	Acute Tox.;5;H303	1 - 10

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move the victim to fresh air. Do not leave the victim unattended. Move out of dangerous area. Show this 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 In case of eye contact	 Wash off immediately with soap and plenty of water. Flush eyes with water as a precaution. Remove contact lenses. 	
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	Keep eye wide open while rinsing.	
If swallowed	If eye irritation persists, consult a specialist. : Keep respiratory tract clear.	

Do not give milk or alcoholic beverages.

If symptoms persist, call a physician.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Special powder against metal f	ire, Dry sand, ABC powder
Unsuitable extinguishing media	:	Water, High volume water jet	
5.2 Special hazards arising from	the	substance or mixture	
Specific hazards during firefighting	:	Do not allow run-off from fire fig courses.	ghting to enter drains or water
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	Wear self-contained breathing a necessary.	apparatus for firefighting if
Further information	:	: 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.		
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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.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Use personal protective equipment.
	Evacuate personnel to safe areas.
	Avoid dust formation.
	Avoid breathing dust.

6.2 Environmental precautions

' Pri	event product from entering drains. event further leakage or spillage if safe to do so. ne product contaminates rivers and lakes or drains inform pective authorities.
-------	---

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	: Use mechanical handling equipment.
	Pick up and transfer to properly labelled containers.
	Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

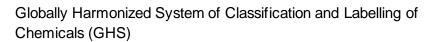
SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

: Avoid creating dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

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		Avoid formation of respirable particles. Do not breathe vapours/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.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
		Normal measures for preventive fire protection.
Hygiene measures	:	General industrial hygiene practice. Do not smoke. Wash hands before breaks and at the end of workday. Keep away from food and drink. Keep away from tobacco products.
		When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	ectrical installations / wo e technological safety s	orking materials must comply with tandards.
	ore near combustible m	of ignition - No smoking. Do not aterials. Keep containers tightly ilated place. To maintain product at or direct sunlight.
		sed in a dry and well-ventilated ns / working materials must comply ety standards.
Further information on storage conditions	otect from humidity and	water.
Advice on common storage	rongly acid materials in	agents, strongly alkaline and order to avoid exothermic reactions. oxidizing and self-igniting products.

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Dampness	: Keep in a dry, cool and well-ventilated place	9.
Other data	: Keep in a dry place. No decomposition if st as directed.	ored and applied

7.3 Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (catego		2;(II)			
Further inform	ation		dangerous substar ounds at the work p on).		
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: exc factor (catego		2;(II)			
Further information Commission for dangerous substances Senate commission review of compounds at the work place dangerous for the (MAK-commission).					
silicon	7631-86-9	AGW (Inhalable	4 mg/m3	2013-09-19	DE TRGS 900
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dioxide		fraction)			
Further inform	ation	place dangerous amorphous silica manufactured si compliance with	sion for the review o s for the health (MAH a, including pyrogen lica (precipitated sili the OEL and biolog ng the unborn child	K-commission). hic silica and in v ica, silicagel).Wi	Colloidal vet processes hen there is

United States of America (USA):

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
Copper	7440-50-8	TWA	1 mg/m3	2008-01-01	
Copper	7440-50-8	TWA (dust and mists)	1 mg/m3	2005-09-01	
Copper	7440-50-8	TWA	1 mg/m3	1989-01-19	
Copper	7440-50-8	TWA	0,2 mg/m3	2008-01-01	
Copper	7440-50-8	TWA	0,1 mg/m3	1989-01-19	
Copper	7440-50-8	TWA (Dust and mist)	1 mg/m3	2010-03-01	
Copper	7440-50-8	TWA (Fumes)	0,2 mg/m3	2010-03-01	
Copper	7440-50-8	TWA (Dust)	1 mg/m3	2013-10-08	
Copper	7440-50-8	TWA (Mist)	1 mg/m3	2013-10-08	
Copper	7440-50-8	TWA (dusts and mists)	1 mg/m3	2011-07-01	
Copper	7440-50-8	TWA (Fumes)	0,1 mg/m3	2011-07-01	
Copper	7440-50-8	TWA (Fumes)	0,1 mg/m3	1989-01-19	
Copper	7440-50-8	TWA (Dust and mist)	1 mg/m3	1989-01-19	
Copper	7440-50-8	PEL (Fumes)	0,1 mg/m3	2014-11-26	
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	50 Million particles per cubic foot	2012-07-01	
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (total dust)	15 mg/m3	2012-07-01	
zinc powder — zinc dust	7440-66-6	TWA (respirable fraction)	5 mg/m3	2012-07-01	



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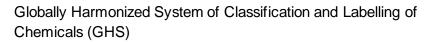
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(stabilised)				
zinc powder — zinc dust (stabilised)	7440-66-6	TWA (respirable fraction)	15 Million particles per cubic foot	2012-07-01
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (Total dust)	10 mg/m3	2014-11-26
zinc powder — zinc dust (stabilised)	7440-66-6	PEL (respirable dust fraction)	5 mg/m3	2014-11-26
silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot	2012-07-01
silicon dioxide	7631-86-9	TWA (Dust)	80 mg/m3 / %SiO2	2012-07-01
silicon dioxide	7631-86-9	TWA	6 mg/m3	2013-10-08
silicon dioxide	7631-86-9	PEL	6 mg/m3	2014-11-26

8.2 Exposure controls

Personal protective equipment	ent		
Eye protection	:	Safety glasses	
	:	Safety glasses	
Hand protection			
Material	:	Leather	
Remarks		Leather gloves	
	The choice of an appropriate glove does not only depend or its material but also on other quality features and is different from one producer to the other.		
		The exact break through time c protective glove producer and the producer	
		Recommended preventive skin	protection
	:	The suitability for a specific wor	rkplace should be discussed
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	with the producers of the protective gloves.
Skin and body protection	: Long sleeved clothing
	Safety shoes
	: Dust impervious protective suit
	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	 Use suitable breathing protection if workplace concentration requires.
	Respirator with a dust filter
	P1 filter
Environmental exposure c	ontrols
General advice	:
	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.
	If the product contaminates rivers and lakes or drains inform respective authorities.
Water	: The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder	
Colour	: gold	
Odour	: odourless	
рН	: No data available	
Freezing point	: No data available	
Boiling point/boiling range	: No data available	
Flash point	: No data available	
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Bulk density	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Auto-flammability	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Density	:	No data available
Water solubility	:	No data available
Miscibility with water	:	immiscible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Ignition temperature	:	No data available
Thermal decomposition	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Flow time	:	No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed. No decomposition if stored and applied as directed.

10.2 Chemical stability

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No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions				
Hazardous reactions	: 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.			
10.4 Conditions to avoid				
Conditions to avoid	: No data available No data available			
10.5 Incompatible materials				
Materials to avoid	: No data available			
10.6 Hazardous decomposition products				
Hazardous decomposition products	: No data available			
Other information	: No data available			

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

Copper :

Acute oral toxicity : The component/mixture is moderately toxic after single ingestion.

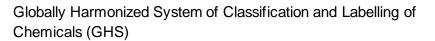
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zinc powder — zinc dust (st Acute oral toxicity	-	
silicon dioxide : Acute oral toxicity	: LD50 Rat: 5 000 mg/kg	
	Mouse: 15 000 mg/kg	
Acute inhalation toxicity	: Rat: 0,139 mg/l	
	Exposure time: 4 h	
Acute dermal toxicity	: LD50 Rabbit: > 5 000 mg/kg	
Skin corrosion/irritation		
No data available		
Serious eye damage/eye irritatio	on	
<u>Product</u>		
Result: No eye irritation		
Respiratory or skin sensitisation	1	
No data available		
Carcinogenicity		
No data available		
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Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

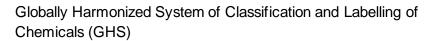
Product

No data available

SECTION 12: Ecological information

12.1 Toxicity

<u>Components:</u> copper (7440-50-8) :		
M-Factor Ecotoxicology Assessment	: 10	
Short-term (acute) aquatic	: Very toxic to aquatic life.	
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hazard		
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasti	ng effects.

zinc (7440-66-6) :

Ecotoxicology		Assessment		
	Ob a wt ta was / a su			١ /

Short-term (acute) aquatic hazard	: Very toxic to aquatic life.
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.
silicon dioxide (7631-86-9) :	
Toxicity to daphnia and other aquatic invertebrates	: (Daphnia (water flea)): 7 600 mg/l
Toxicity to algae	: (Chlorella pyrenoidosa (aglae)): 440 mg/l Exposure time: 72 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological : An environmental hazard cannot be excluded in the event of

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information	unprofessional handling or disposal., Very to with long lasting effects.	oxic to aquatic life

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. In accordance with local and national regulations.
Contaminated packaging	 Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. In accordance with local and national regulations.

SECTION 14: Transport information

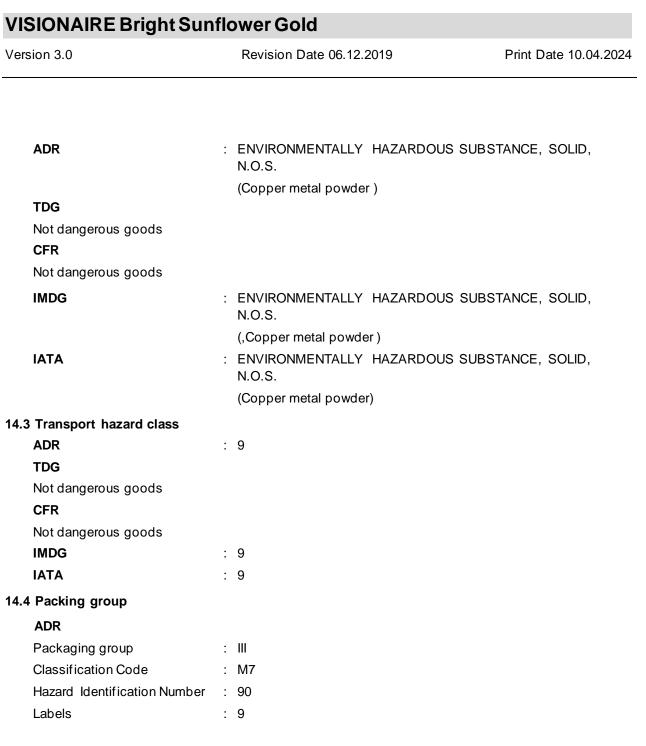
14.1 UN number

ADR	: 3077
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3077
ΙΑΤΑ	: 3077

14.2 Proper shipping name

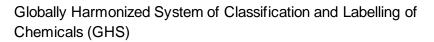
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TDG Not dangerous goods CFR Not dangerous goods

IMDG		
Packaging group	:	III
Labels	:	9
EmS Number	:	F-A, S-F
ΙΑΤΑ		
Packing instruction (cargo aircraft)	:	956
Packing instruction (passenger aircraft)	:	956
Packing instruction (LQ)	:	Y956
Packaging group	:	III
Labels	:	9
5 Environmental hazards		

14.5 Environmental hazards

IMDG	: Marine pollutant
ADR	: Environmentally hazardous

14.6 Special precautions for user

IMDG Code- segregation group:

IMDG Code segregation group 7 - Heavy metals and their salts :

For single packagings <=5L / 5 kg, or combination packagings containing inner packagings <= 5L / 5 kg net per inner packaging, SV375 ADR, 2.10.2.7 IMDG-Code, A197 IATA-DGR may be applied.

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59).

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H-Statements

H302 :	Harmful if swallowed.
H303 :	May be harmful if swallowed.
H319 :	Causes serious eye irritation.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.

The information provided in this 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 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.

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