

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

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

#### 1.1 Product identifier

Trade name : Concentrate Floral Gold 180 kgs  
Product code : 08310125V

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

Use of the Substance/Mixture : Colorant; Printing ink related material; Printing ink, Colouring agents, dyes

#### 1.3 Details of the supplier of the safety data sheet

Company : ECKART GmbH  
Guntersthal 4  
91235 Hartenstein  
  
Telephone : +499152770  
  
Telefax : +499152777008  
  
E-mail address of person responsible for the SDS : [msds.eckart@altana.com](mailto:msds.eckart@altana.com)

#### 1.4 Emergency telephone number

NCEC: +44 1235 239670 (Europe)  
Call and response in your language is possible.  
Contract no.: ECKART29003-NCEC.

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006







## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

Aspiration hazard, Category 1      H304: May be fatal if swallowed and enters airways.  
Short-term (acute) aquatic hazard, Category 1      H400: Very toxic to aquatic life.  
Long-term (chronic) aquatic hazard, Category 1      H410: Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :    

Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe mist or vapours.  
P273 Avoid release to the environment.  
**Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P391 Collect spillage.

#### Hazardous components which must be listed on the label:

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha xylene  
Solvent naphtha (petroleum), light arom.  
acetone  
n-butyl acetate

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	ClassificationREGUL ATION (EC) No 1272/2008	Concentration (% w/w)
Copper	7440-50-8 231-159-6  01-2119480154-42	Acute Tox. 4; H302 Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	>= 10 - < 20
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49-0 926-605-8	Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 10 - < 20
xylene	1330-20-7 215-535-7 601-022-00-9  01-2119488216-32	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 (Central nervous system) Asp. Tox. 1; H304	>= 10 - < 20
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5  01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 10 - < 20

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version  
4.1

Revision Date:  
03.04.2024

SDS Number:  
102000005075

Print Date: 05.04.2024  
Date of first issue: 30.07.2019

		Asp. Tox. 1; H304 Aquatic Chronic 2; H411 EUH066	
acetone	67-64-1 200-662-2 606-001-00-8  01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 10 - < 20
n-butyl acetate	123-86-4 204-658-1 607-025-00-1  01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) EUH066	>= 1 - < 10
zinc powder — zinc dust (stabilised)	7440-66-6 231-175-3 030-001-01-9  01-2119467174-37	Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 2.5 - < 10

For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move the victim to fresh air.
- Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

### 4.2 Most important symptoms and effects, both acute and delayed

Risks : May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

### 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 fire  
Dry sand  
ABC powder

Unsuitable extinguishing media : Water  
High volume water jet  
Carbon dioxide (CO<sub>2</sub>)

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires.

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.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version	Revision Date:	SDS Number:	Print Date: 05.04.2024
4.1	03.04.2024	102000005075	Date of first issue: 30.07.2019

---

For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

---

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.  
Ensure adequate ventilation.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

#### 6.2 Environmental precautions

General advice : The product should not be allowed to enter drains, water courses or the soil.  
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.

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Use mechanical handling equipment.  
  
Pick up and transfer to properly labelled containers.  
Do not flush with water.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

#### 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 formation of aerosol.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. No smoking.

Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : General industrial hygiene practice.  
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 : Keep away from sources of ignition - No smoking. Do not store near combustible materials. Keep containers tightly closed in a cool, well-ventilated place. To maintain product quality, do not store in heat or direct sunlight.

No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : Protect from humidity and water.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.  
Do not store together with oxidizing and self-igniting products.

Dampness : Keep in a dry, cool and well-ventilated place.

Further information on storage stability : No decomposition if stored and applied as directed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

### 7.3 Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Copper	7440-50-8	TWA (Fumes)	0.2 mg/m <sup>3</sup> (Copper)	GB EH40
		TWA (Dusts and mists)	1 mg/m <sup>3</sup> (Copper)	GB EH40
		STEL (Dusts and mists)	2 mg/m <sup>3</sup> (Copper)	GB EH40
xylene	1330-20-7	TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 220 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 441 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
acetone	67-64-1	TWA	500 ppm 1,210 mg/m <sup>3</sup>	2000/39/EC
	Further information: Indicative			
		TWA	500 ppm 1,210 mg/m <sup>3</sup>	GB EH40
		STEL	1,500 ppm 3,620 mg/m <sup>3</sup>	GB EH40
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m <sup>3</sup>	GB EH40
		STEL	200 ppm 966 mg/m <sup>3</sup>	GB EH40
		STEL	150 ppm 723 mg/m <sup>3</sup>	2019/1831/E U
	Further information: Indicative			
		TWA	50 ppm 241 mg/m <sup>3</sup>	2019/1831/E U
	Further information: Indicative			



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version  
4.1

Revision Date:  
03.04.2024

SDS Number:  
102000005075

Print Date: 05.04.2024  
Date of first issue: 30.07.2019

zinc powder — zinc dust (stabilised)	7440-66-6	TWA (Inhalable)	10 mg/m <sup>3</sup>	GB EH40
		TWA (Respirable fraction)	4 mg/m <sup>3</sup>	GB EH40

### Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acid: 650 Millimoles per mole creatinine (Urine)	After shift	GB EH40 BAT

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Copper	Workers	Dermal	Long-term systemic effects	137 mg/kg
	Workers	Dermal	Acute systemic effects	273 mg/kg
	Workers	Inhalation	Long-term systemic effects	20 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	1 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	1 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	137 mg/kg
	Consumers	Dermal	Acute systemic effects	273 mg/kg
	Consumers	Oral	Long-term systemic effects	0.041 mg/kg
	xylene	Workers	Inhalation	Long-term systemic effects
Workers		Inhalation	Acute systemic effects	289 mg/m <sup>3</sup>
Workers		Inhalation	Acute local effects	442 mg/m <sup>3</sup>
Workers		Inhalation	Long-term local effects	221 mg/m <sup>3</sup>
Workers		Dermal	Long-term systemic effects	180 mg/kg
Consumers		Inhalation	Long-term systemic effects	14.8 mg/m <sup>3</sup>
Consumers		Inhalation	Long-term local effects	65.3 mg/m <sup>3</sup>
Consumers		Inhalation	Acute systemic effects	260 mg/m <sup>3</sup>
Consumers		Inhalation	Acute local effects	260 mg/m <sup>3</sup>
Consumers		Dermal	Long-term systemic effects	108 mg/kg
Consumers	Oral	Long-term systemic	1.5 mg/kg	

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version  
4.1

Revision Date:  
03.04.2024

SDS Number:  
102000005075

Print Date: 05.04.2024  
Date of first issue: 30.07.2019

			effects	
Solvent naphtha (petroleum), light arom.	Workers	Inhalation	Long-term systemic effects	151 mg/m3
	Workers	Inhalation	Acute systemic effects	1286.4 mg/m3
	Workers	Inhalation	Long-term local effects	837.5 mg/m3
	Workers	Inhalation	Acute local effects	1066.67 mg/m3
	Workers	Dermal	Long-term systemic effects	12.5 mg/kg
	Consumers	Inhalation	Long-term systemic effects	32 mg/m3
	Consumers	Inhalation	Acute systemic effects	1152 mg/m3
	Consumers	Inhalation	Long-term local effects	178.57 mg/m3
	Consumers	Inhalation	Acute local effects	640 mg/m3
	Consumers	Dermal	Long-term systemic effects	7.5 mg/kg
	Consumers	Oral	Long-term systemic effects	7.5 mg/kg
acetone	Workers	Inhalation	Long-term systemic effects	1210 mg/m3
	Workers	Inhalation	Acute local effects	2420 mg/m3
	Workers	Inhalation	Acute systemic effects	1210 mg/m3
	Workers	Dermal	Long-term systemic effects	186 mg/kg
	Consumers	Inhalation	Long-term systemic effects	200 mg/m3
	Consumers	Dermal	Long-term systemic effects	62 mg/kg
	Consumers	Oral	Long-term systemic effects	62 mg/kg
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	48 mg/m3
	Workers	Inhalation	Acute systemic effects	600 mg/m3
	Workers	Inhalation	Long-term local effects	300 mg/m3
	Workers	Inhalation	Acute local effects	600 mg/m3
	Workers	Dermal	Long-term systemic effects	7 mg/kg
	Workers	Dermal	Acute systemic effects	11 mg/kg
	Consumers	Inhalation	Long-term systemic effects	12 mg/m3
	Consumers	Inhalation	Acute systemic effects	300 mg/m3

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version  
4.1

Revision Date:  
03.04.2024

SDS Number:  
102000005075

Print Date: 05.04.2024  
Date of first issue: 30.07.2019

	Consumers	Inhalation	Long-term local effects	35.7 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute local effects	300 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	3.4 mg/kg
	Consumers	Dermal	Acute systemic effects	6 mg/kg
	Consumers	Oral	Long-term systemic effects	2 mg/kg
	Consumers	Oral	Acute systemic effects	2 mg/kg
zinc powder — zinc dust (stabilised)	Workers	Inhalation	Long-term systemic effects	5 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	83 mg/kg
	Consumers	Inhalation	Long-term systemic effects	2.5 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	83 mg/kg
	Consumers	Oral	Long-term systemic effects	0.83 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Copper	Fresh water	0.0078 mg/l
	Marine water	0.0052 mg/l
	STP	0.230 mg/l
	Fresh water sediment	87 mg/kg
	Marine sediment	676 mg/kg
xylene	Soil	65 mg/kg
	Fresh water	0.044 mg/l
	Marine water	0.0044 mg/l
	Fresh water sediment	12.46 mg/kg
	Marine sediment	12.46 mg/kg
acetone	Soil	2.31 mg/kg
	STP	1.6 mg/l
	Intermittent Release	0.01 mg/l
	Fresh water	10.6 mg/l
	Marine water	1.06 mg/l
n-butyl acetate	Fresh water sediment	30.4 mg/kg
	Marine sediment	3.04 mg/kg
	STP	100 mg/l
	Soil	29.5 mg/kg
	periodical release	21 mg/l
n-butyl acetate	Fresh water	0.18 mg/l
	Marine water	0.018 mg/l
	STP	35.6 mg/l
	Fresh water sediment	0.981 mg/kg
	Marine sediment	0.098 mg/kg
	Soil	0.0903 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

zinc powder — zinc dust (stabilised)	Fresh water	0.0206 mg/l
	Marine water	0.0061 mg/l
	STP	0.100 mg/l
	Fresh water sediment	235.6 mg/kg
	Marine sediment	121 mg/kg
	Soil	35.6 mg/kg

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Material : Solvent-resistant gloves (butyl-rubber)

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). The exact break through time can be obtained from the protective glove producer and this has to be observed. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Recommended preventive skin protection Skin should be washed after contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : 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.  
Equipment should conform to EN 14387

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form : liquid  
Colour : gold  
Odour : characteristic  
Odour Threshold : No data available  
Freezing point : No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Boiling point/boiling range	: 55 °C
Flammability	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Flash point	: -19 °C
Auto-ignition temperature	: 540 °C
Decomposition temperature	: No data available
pH	: substance/mixture is non-soluble (in water)
Viscosity	
Viscosity, kinematic	: No data available
Flow time	: 20 - 25 s at 23 °C Cross section: 3 mm Method: ISO 2431
Solubility(ies)	
Water solubility	: partly soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Vapour pressure	: No data available
Vapor Pressure for Components:	
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	: 240 kPa (37.8 °C)
xylene	: 8.2 hPa (20 °C)
Solvent naphtha (petroleum), light arom.	: 2 hPa (20 °C)
acetone	: 240 hPa (20 °C)
n-butyl acetate	: 10.7 hPa (20 °C)
Relative density	: No data available
Density	: ca. 1.05 g/cm <sup>3</sup>

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version	Revision Date:	SDS Number:	Print Date: 05.04.2024
4.1	03.04.2024	102000005075	Date of first issue: 30.07.2019

---

Relative vapour density : No data available

Particle characteristics  
Particle Size Distribution : 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.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.  
No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.  
Heat, flames and sparks.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Thermal decomposition : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

---

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

### Components:

#### **Copper:**

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

#### **xylene:**

Acute inhalation toxicity : Assessment: The component/mixture is moderately toxic after short term inhalation.

#### **Solvent naphtha (petroleum), light arom.:**

Acute oral toxicity : LD50 (Rat): 3,492 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

#### **acetone:**

Acute oral toxicity : LD50 (Rabbit): 4,700 - 5,800 mg/kg

(Mouse): 3,000 mg/kg

(Rat): 9,800 mg/kg

Acute inhalation toxicity : LC50 (Rat): 76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

#### **zinc powder — zinc dust (stabilised):**

Acute oral toxicity : (Rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 5.41 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

### **Skin corrosion/irritation**

Causes skin irritation.

### Product:

Remarks : May cause skin irritation in susceptible persons.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

### Components:

#### **Copper:**

Remarks : May cause skin irritation in susceptible persons.

#### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

Result : Skin irritation

#### **xylene:**

Result : Skin irritation

#### **Solvent naphtha (petroleum), light arom.:**

Result : Repeated exposure may cause skin dryness or cracking.

#### **acetone:**

Remarks : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

#### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### Product:

Remarks : Eye irritation

### Components:

#### **Copper:**

Result : Eye irritation

#### **xylene:**

Result : Eye irritation

#### **acetone:**

Result : Eye irritation

#### **Respiratory or skin sensitisation**

##### **Skin sensitisation**

Not classified based on available information.

##### **Respiratory sensitisation**

Not classified based on available information.

##### **Germ cell mutagenicity**

Not classified based on available information.

---



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

### Components:

#### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

Germ cell mutagenicity- Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

#### **Solvent naphtha (petroleum), light arom.:**

Germ cell mutagenicity- Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

### **Carcinogenicity**

Not classified based on available information.

### Components:

#### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

Carcinogenicity - Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

#### **Solvent naphtha (petroleum), light arom.:**

Carcinogenicity - Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

May cause respiratory irritation.  
May cause drowsiness or dizziness.

### Components:

#### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

Assessment : May cause drowsiness or dizziness.

#### **xylene:**

Assessment : May cause respiratory irritation.

#### **Solvent naphtha (petroleum), light arom.:**

Assessment : May cause respiratory irritation., May cause drowsiness or dizziness.

#### **acetone:**

Assessment : May cause drowsiness or dizziness.

#### **n-butyl acetate:**

Assessment : May cause drowsiness or dizziness.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Components:

##### **xylene:**

Target Organs : Central nervous system  
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

### Aspiration toxicity

May be fatal if swallowed and enters airways.

#### Components:

##### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

May be fatal if swallowed and enters airways.

##### **xylene:**

May be fatal if swallowed and enters airways.

##### **Solvent naphtha (petroleum), light arom.:**

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### Further information

#### Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

#### Components:

##### **Copper:**

Remarks : No data available

##### **zinc powder — zinc dust (stabilised):**

Remarks : No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **Copper:**

M-Factor (Short-term (acute) aquatic hazard) : 10  
M-Factor (Long-term (chronic) aquatic hazard) : 10

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

##### **Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha:**

##### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

##### **Solvent naphtha (petroleum), light arom.:**

##### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

##### **acetone:**

Toxicity to daphnia and other aquatic invertebrates : (Daphnia magna (Water flea)): 21,600 mg/l

##### **zinc powder — zinc dust (stabilised):**

M-Factor (Short-term (acute) aquatic hazard) : 1  
M-Factor (Long-term (chronic) aquatic hazard) : 1

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.  
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

**Components:**

**Copper:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

**zinc powder — zinc dust (stabilised):**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life with long lasting effects.

---

## 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.  
Do not burn, or use a cutting torch on, the empty drum.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

In accordance with local and national regulations.

---

### SECTION 14: Transport information

#### 14.1 UN number or ID number

**ADR** : UN 1263  
**IMDG** : UN 1263  
**IATA** : UN 1263

#### 14.2 UN proper shipping name

**ADR** : PAINT  
**IMDG** : PAINT  
(Copper metal powder)  
**IATA** : Paint

#### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
<b>ADR</b>	: 3	
<b>IMDG</b>	: 3	
<b>IATA</b>	: 3	

#### 14.4 Packing group

**ADR**  
Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3  
Tunnel restriction code : (D/E)

**IMDG**  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-E

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 364  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : 3

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 353  
Packing instruction (LQ) : Y341  
Packing group : II

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Labels : 3

### 14.5 Environmental hazards

#### ADR

Environmentally hazardous : yes

#### IMDG

Marine pollutant : yes

### 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

---

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3  
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (Number on list 3)  
xylene (Number on list 3)  
Solvent naphtha (petroleum), light arom. (Number on list 3)  
acetone (Number on list 3)  
n-butyl acetate (Number on list 3)

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors : acetone

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. acetone (ANNEX II)

Volatile organic compounds : Directive 2004/42/EC

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

---

Volatile organic compounds (VOC) content: 58.76 %, 616.98 g/l

### 15.2 Chemical safety assessment

No data available

---

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H304 : May be fatal if swallowed and enters airways.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
  
H400 : Very toxic to aquatic life.  
H410 : Very toxic to aquatic life with long lasting effects.  
H411 : Toxic to aquatic life with long lasting effects.  
EUH066 : Repeated exposure may cause skin dryness or cracking.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Acute : Short-term (acute) aquatic hazard  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Asp. Tox. : Aspiration hazard  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
STOT RE : Specific target organ toxicity - repeated exposure  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values  
  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 BAT : UK. Biological monitoring guidance values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
2019/1831/EU / TWA : Limit Value - eight hours  
2019/1831/EU / STEL : Short term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version 4.1      Revision Date: 03.04.2024      SDS Number: 102000005075      Print Date: 05.04.2024  
Date of first issue: 30.07.2019

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H336
STOT SE 3	H335
STOT RE 2	H373
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Classification procedure:

Based on product data or assessment  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method  
Calculation method

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



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Floral Gold 180 kgs

Version	Revision Date:	SDS Number:	Print Date: 05.04.2024
4.1	03.04.2024	102000005075	Date of first issue: 30.07.2019

---

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.

GB / EN