

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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

#### 1.1 Product identifier

Trade name : Concentrate Goldeffect rpg 190 kgs  
Product code : 08070625V

#### 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.

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### 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.
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.
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.

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
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.  
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:

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

### 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

Chemical name	CAS-No. EC-No. Index-No. Registration number	ClassificationREGUL ATION (EC) No 1272/2008	Concentration (% w/w)
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) Asp. Tox. 1; H304 Aquatic Chronic 2; H411	>= 25 - < 50
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	>= 25 - < 50
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
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	>= 2.5 - < 10
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	>= 1 - < 10
zinc powder — zinc dust	7440-66-6	Aquatic Acute 1;	>= 1 - < 2.5

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

(stabilised)	231-175-3 030-001-01-9 01-2119467174-37	H400 Aquatic Chronic 1; H410	
amines, hydrogenated tallow alkyl	61788-45-2 (90640-32-7) 262-976-6 612-284-00-9	Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 (Liver, Gastrointestinal tract, Immune system) Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10	$\geq 0.0025 - < 0.025$

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 : 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 induce vomiting.  
Do not give milk or alcoholic beverages.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version	Revision Date:	SDS Number:	Print Date: 16.04.2024
5.0	11.02.2023	102000000037	Date of first issue: 07.01.2014

---

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.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.

### 4.3 Indication of any immediate medical attention and special treatment needed

This information is not available.

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

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## SECTION 6: Accidental release measures

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

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

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

Environmental precautions : 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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
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.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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

Hygiene measures : 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.

### 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
n-butyl acetate	123-86-4	TWA	150 ppm 724 mg/m <sup>3</sup>	GB EH40

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

		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			
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.			
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
Solvent naphtha (petroleum), light	Workers	Inhalation	Long-term systemic effects	150 mg/m <sup>3</sup>



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

arom.				
	Workers	Skin contact	Long-term systemic effects	25 mg/kg
	Consumers	Skin contact	Long-term systemic effects	11 mg/kg
	Consumers	Inhalation	Long-term systemic effects	32 mg/m3
	Consumers	Inhalation	Long-term local effects	11 mg/kg
	Consumers	Ingestion	Long-term systemic effects	11 mg/kg
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	300 mg/m3
	Workers	Inhalation	Acute systemic effects	960 mg/m3
	Workers	Inhalation	Long-term local effects	300 mg/m3
	Workers	Inhalation	Acute local effects	600 mg/m3
	Workers	Skin contact	Long-term systemic effects	7 mg/kg
	Workers	Skin contact	Acute systemic effects	11 mg/kg
	Consumers	Inhalation	Long-term systemic effects	35.7 mg/m3
	Consumers	Inhalation	Acute systemic effects	300 mg/m3
	Consumers	Inhalation	Long-term local effects	35.7 mg/m3
	Consumers	Inhalation	Acute local effects	300 mg/m3
	Consumers	Skin contact	Long-term systemic effects	3.4 mg/kg
	Consumers	Skin contact	Acute systemic effects	6 mg/kg
	Consumers	Ingestion	Long-term systemic effects	2 mg/kg
	Consumers	Ingestion	Acute systemic effects	2 mg/kg
Copper	Workers	Skin contact	Long-term systemic effects	137 mg/kg
	Workers	Skin contact	Acute systemic effects	273 mg/kg
	Workers	Inhalation	Long-term systemic effects	20 mg/m3
	Consumers	Inhalation	Long-term local effects	1 mg/m3
	Consumers	Inhalation	Acute local effects	1 mg/m3
	Consumers	Skin contact	Long-term systemic effects	137 mg/kg
	Consumers	Skin contact	Acute systemic effects	273 mg/kg
	Consumers	Ingestion	Long-term systemic	0.041 mg/kg

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

			effects	
xylene	Workers	Inhalation	Long-term local effects	221 mg/m3
	Workers	Inhalation	Long-term systemic effects	77 mg/m3
	Workers	Inhalation	Acute systemic effects	289 mg/m3
	Workers	Inhalation	Acute local effects	289 mg/m3
	Workers	Skin contact	Long-term systemic effects	180 mg/kg
	Consumers	Inhalation	Long-term local effects	65.3 mg/m3
	Consumers	Inhalation	Long-term systemic effects	14.8 mg/m3
	Consumers	Inhalation	Acute systemic effects	174 mg/m3
	Consumers	Inhalation	Acute local effects	174 mg/m3
	Consumers	Skin contact	Long-term systemic effects	108 mg/kg
	Consumers	Ingestion	Long-term systemic effects	1.6 mg/kg
zinc powder — zinc dust (stabilised)	Workers	Inhalation	Long-term systemic effects	5 mg/m3
	Workers	Skin contact	Long-term systemic effects	83 mg/kg
	Consumers	Inhalation	Long-term systemic effects	2.5 mg/m3
	Consumers	Skin contact	Long-term systemic effects	83 mg/kg
	Consumers	Ingestion	Long-term systemic effects	0.83 mg/kg
amines, hydrogenated tallow alkyl	Workers	Inhalation	Long-term systemic effects	0.38 mg/m3
	Workers	Inhalation	Long-term local effects	1 mg/m3
	Workers	Inhalation	Acute local effects	1 mg/m3
	Consumers	Inhalation	Long-term systemic effects	0.035 mg/m3
	Consumers	Oral	Long-term systemic effects	0.04 mg/kg

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

Substance name	Environmental Compartment	Value
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
Copper	Fresh water	0.0078 mg/l
	Marine water	0.0052 mg/l

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version  
5.0

Revision Date:  
11.02.2023

SDS Number:  
102000000037

Print Date: 16.04.2024  
Date of first issue: 07.01.2014

	STP	0.230 mg/l
	Fresh water sediment	87 mg/kg
	Marine sediment	676 mg/kg
	Soil	65 mg/kg
xylene	Fresh water	0.327 mg/l
	Marine water	0.327 mg/l
	Fresh water sediment	12.46 mg/kg dry weight (d.w.)
	Marine sediment	12.46 mg/kg dry weight (d.w.)
	Soil	2.31 mg/kg dry weight (d.w.)
	STP	6.58 mg/l
	periodical release	0.327 mg/l
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
amines, hydrogenated tallow alkyl	Fresh water	0.00026 mg/l
	Marine water	0.000026 mg/l
	Sewage treatment plant	0.55 mg/kg
	Fresh water sediment	3.76 mg/kg
	Marine sediment	376 mg/kg
	Soil	10 mg/kg
	Intermittent Release	0.0016 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : Safety glasses  
Safety glasses

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

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

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state : liquid  
Colour : gold  
Odour : characteristic  
Odour Threshold : No data available  
Freezing point : No data available  
Boiling point/boiling range : 45 °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 : -18 °C  
Auto-ignition temperature : Not relevant  
Decomposition temperature : No data available  
pH : substance/mixture is non-soluble (in water)  
Viscosity  
    Viscosity, dynamic : see user defined free text  
    Viscosity, kinematic : No data available  
Flow time : 10 - 12 s at 20 °C  
    Cross section: 4 mm  
    Method: DIN 53211  
  
Water solubility : No data available

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version	Revision Date:	SDS Number:	Print Date: 16.04.2024
5.0	11.02.2023	102000000037	Date of first issue: 07.01.2014

---

Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Vapour pressure : No data available

Relative density : No data available

Density : ca. 0.91 g/cm<sup>3</sup>

Relative vapour density : No data available

Particle Size Distribution : No data available

### 9.2 Other information

No data available

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## 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).

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

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

##### Components:

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

- Acute oral toxicity : LD50 (Rat): 3,492 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 3,160 mg/kg

##### **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.

##### **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

##### **amines, hydrogenated tallow alkyl:**

- Acute oral toxicity : LD50 (Rat): > 2,000 - 5,000 mg/kg  
Method: OECD Test Guideline 401

##### **Skin corrosion/irritation**

Causes skin irritation.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

### **Product:**

Remarks : May cause skin irritation in susceptible persons.

### **Components:**

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

Result : Skin irritation

#### **Copper:**

Remarks : May cause skin irritation in susceptible persons.

#### **xylene:**

Result : Skin irritation

#### **amines, hydrogenated tallow alkyl:**

Result : Skin irritation

Remarks : May cause skin irritation in susceptible persons.

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

Not classified based on available information.

### **Product:**

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

### **Components:**

#### **Copper:**

Result : Eye irritation

#### **xylene:**

Result : Eye irritation

#### **amines, hydrogenated tallow alkyl:**

Result : Irreversible effects on the eye

Remarks : May cause irreversible eye damage.

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

##### **Skin sensitisation**

Not classified based on available information.

##### **Respiratory sensitisation**

Not classified based on available information.

---

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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### **Germ cell mutagenicity**

Not classified based on available information.

### **Components:**

#### **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)

#### **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)

### **Carcinogenicity**

Not classified based on available information.

### **Components:**

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

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

#### **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)

### **Reproductive toxicity**

Not classified based on available information.

### **STOT - single exposure**

May cause respiratory irritation.

May cause drowsiness or dizziness.

### **Components:**

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

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

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

Assessment : May cause drowsiness or dizziness.

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

Assessment : May cause drowsiness or dizziness.

#### **xylene:**

Assessment : May cause respiratory irritation.

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

### STOT - repeated exposure

Not classified based on available information.

### Components:

#### **xylene:**

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

#### **amines, hydrogenated tallow alkyl:**

Target Organs : Liver, Gastrointestinal tract, Immune 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:

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

May be fatal if swallowed and enters airways.

#### **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.

#### **amines, hydrogenated tallow alkyl:**

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

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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

Remarks : No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Components:**

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

##### **Ecotoxicology Assessment**

Chronic aquatic toxicity : 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.

#### **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.

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

##### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

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

#### **amines, hydrogenated tallow alkyl:**

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.

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

### 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

#### 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.

##### **amines, hydrogenated tallow alkyl:**

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.

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## SECTION 13: Disposal considerations

European Waste Catalogue : 08 01 11 - waste paint and varnish containing organic solvents or other dangerous substances

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

### 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.  
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 |
|------|-------|------------------|
| ADR  | : 3   |                  |
| IMDG | : 3   |                  |
| IATA | : 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
-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

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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  
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.

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## 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  
Solvent naphtha (petroleum), light arom. (Number on list 3)  
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha (Number on list 3)  
n-butyl acetate (Number on list 3)  
xylene (Number on list 3)

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

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

---

UK REACH List of substances subject to authorisation (Annex XIV) : Not applicable  
Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 64 %, 582.4 g/l

### 15.2 Chemical safety assessment

No data available

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## 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.  
H318 : Causes serious eye damage.  
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 Dam. : Serious eye damage  
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

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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version 5.0      Revision Date: 11.02.2023      SDS Number: 102000000037      Print Date: 16.04.2024  
Date of first issue: 07.01.2014

GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

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
STOT SE 3	H336
STOT SE 3	H335
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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Concentrate Goldeffect rpg 190 kgs

Version	Revision Date:	SDS Number:	Print Date: 16.04.2024
5.0	11.02.2023	102000000037	Date of first issue: 07.01.2014

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GB / EN