

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

Concentrate Goldeffect rpg 190 kgs

Version 4.1 Revision Date 27.04.2020 Print Date 03.03.2022

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

1.1 Product identifier

Trade name : Concentrate Goldeffect rpg 190 kgs

Material number : 08070625V

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

: Flammable liquids, Category 2, H225 Acute toxicity, Category 5, Oral, H303 Skin corrosion/irritation, Category 2, H315

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Specific target organ toxicity - single exposure, Category 3, Respiratory system, Central nervous system, H335H336

Aspiration hazard, Category 1, H304

Short-term (acute) aquatic hazard, Category 1, H400 Long-term (chronic) aquatic hazard, Category 1, H410

GHS-Labelling

Symbol(s) :









Signal word : Danger

Hazard statements : H225: Highly flammable liquid and vapour.

H303: May be harmful if swallowed.

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.

P233 Keep container tightly closed.

P280 Wear protective gloves/ protective clothing/ eye

protection/ face protection/ hearing protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON

CENTER/doctor.

P312 Call a POISON CENTER/doctor if you feel unwell.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use dry sand, dry chemical or

alcohol-resistant foam to extinguish.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.



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Hazardous components which must be listed on the label

IdentificationCAS-No.Solvent naphtha (petroleum), light arom.64742-95-6Naphtha (petroleum), hydrotreated light
n-butyl acetate64742-49-0copper7440-50-8xylene1330-20-7

SECTION 3: Composition/information on ingredients

Substance name : Konz. Goldeffektlack Rblg190kg

Substance No. :

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
Solvent naphtha (petroleum), light arom.	64742-95-6	Flam. Liq.;3;H226 Acute Tox.;5;H303 Acute Tox.;5;H313 STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Chronic;2;H411	25 - 50
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49-0	Flam. Liq.;2;H225 Asp. Tox.;1;H304 Skin Irrit.;2;H315 STOT SE;3;H336 Aquatic Chronic;2;H411	25 - 50



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n-butyl acetate	123-86-4 204-658-1	Flam. Liq.;3;H226 STOT SE;3;H336	1 - 10
Copper	7440-50-8 231-159-6	Acute Tox.;4;H302 ;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	2,5 - 10
xylene	1330-20-7 215-535-7	Flam. Liq.;3;H226 Acute Tox.;4;H332 ;2;H315 ;2A;H319 STOT SE;3;H335 STOT RE;2;H373 Asp. Tox.;1;H304	1 - 10
zinc powder — zinc dust (stabilised)	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	1 - 2,5
amines, hydrogenated tallow alkyl	61788-45-2 (90640-32-7) 262-976-6	Acute Tox.;5;H303 ;2;H315 ;1;H318 STOT RE;2;H373 Asp. Tox.;1;H304 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	0,0025 - 0,025

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



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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.

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

This information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

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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

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 : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Collect contaminated fire extinguishing water separately. This

must not be discharged into drains. Fire residues and

contaminated fire extinguishing water must be disposed of in accordance with local regulations. 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

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 : 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 materials 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

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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. 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 wellventilated place. Containers which are opened must be

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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.

Other data : No decomposition if stored and applied as directed.

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
Solvent naphtha (petroleum), light arom.	64742-95- 6	AGW	100 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			

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Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49-	AGW	1 500 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further informa	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			also No. 2.9
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49- 0	AGW	600 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor	mit: excursion 2;(II)				
Further informa	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2. of the TRGS 900			also No. 2.9
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49- 0	AGW	1 500 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)	,	,	
Further informa	ation	Group exposure limit for hydrocarbon solvent			



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		mixturesCommis of the TRGS 900	ssion for dangerous)	substancesSee	e also No. 2.9
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha	64742-49- 0	AGW	600 mg/m3	2009-02-16	DE TRGS 900
Peak-limit: excursion 2;(II) factor (category)					
Further informa	ation	Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2 of the TRGS 900			e also No. 2.9
n-butyl acetate	123-86-4	AGW	62 ppm 300 mg/m3	2012-09-13	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			
Further information Commission for dangerous substancesWhen there is with the OEL and biological tolerance values, there is harming the unborn child					
Copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
xylene	1330-20-7	TWA	50 ppm 221 mg/m3	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the skinIndicative			h the
xylene	1330-20-7	STEL	100 ppm 442 mg/m3	2000-06-16	2000/39/EC
Further informa	ation	Identifies the po skinIndicative	ssibility of significar	nt uptake through	h the
xylene	1330-20-7	AGW	100 ppm 440 mg/m3	2010-08-04	DE TRGS 900



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					1
Peak-limit: excursion factor (category)		2;(II)			
Further informa	ation	place dangerous Union (The EU h	sion for the review o s for the health (MAI nas established a lin re possible)Skin abs	K-commission).I nit value: deviat	European
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category) 2;(II)					
Further information Commission for dangerous substancesSenate commis review of compounds at the work place dangerous for (MAK-commission).					
zinc powder — zinc dust (stabilised)	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information Commission for dangerous substancesSenate commission for review of compounds at the work place dangerous for the heat (MAK-commission).					

8.2 Exposure controls

Personal protective equipment

Eye protection : Safety glasses

: Safety glasses

Hand protection

Material : Solvent-resistant gloves (butyl-rubber)

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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.

: 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

: In the case of vapour formation use a respirator with an

approved filter.

Environmental exposure controls

General advice :



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: Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

No data available

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.

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SECTION 9: Physical and chemical properties

Freezing point

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : No data available
Odour : characteristic
pH : No data available

Boiling point/boiling range : 45 °C

Flash point : -18 °C

Bulk density : No data available
Flammability (solid, gas) : No data available
Auto-flammability : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : No data available

Density : ca. 0,91 g/cm3

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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

Viscosity, dynamic : see user defined free text

Viscosity, kinematic : No data available

Flow time : 10 - 12 s at 20 °C

Cross section: 4 mm

Cross section: 4 mm Method: DIN 53211

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.

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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

Materials to avoid : No data available

10.6 Hazardous decomposition products

Hazardous decomposition

products

Other information : Carbon monoxide, carbon dioxide and unburned

hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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 : The component/mixture is moderately toxic after single

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ingestion.

xylene:

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

inhalation.

zinc powder — zinc dust (stabilised):

Acute oral toxicity : Rat: > 2 000 mg/kg

amines, hydrogenated tallow alkyl:

Acute oral toxicity : LD50 Rat: > 2 000 - 5 000 mg/kg

Method: OECD Test Guideline 401

Skin corrosion/irritation

Product

May cause skin irritation in susceptible persons.

Serious eye damage/eye irritation

Product

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

Respiratory or skin sensitisation

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

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.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Solvent naphtha (petroleum), light arom. (64742-95-6):

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Ecotoxicology Assessment

Long-term (chronic) aquatic

hazard

copper (7440-50-8):

M-Factor : 10

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

Long-term (chronic) aquatic

hazard

zinc (7440-66-6):

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

Long-term (chronic) aquatic

hazard

: Very toxic to aquatic life.

: Very toxic to aquatic life.

: Very toxic to aquatic life.

: Very toxic to aquatic life with long lasting effects.

: Very toxic to aquatic life with long lasting effects.

: Toxic to aquatic life with long lasting effects.

Amines, hydrogenated tallow alkyl (61788-45-2):

Ecotoxicology Assessment

Short-term (acute) aquatic

hazard

Long-term (chronic) aquatic

hazard

: Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available



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12.5 Results of PBT and vPvB assessment

No data available

12.6 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.

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. In accordance with local and national regulations.

SECTION 14: Transport information

14.1 UN number

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ADR : 1263 TDG : 1263 CFR : 1263 IMDG : 1263 IATA : 1263

14.2 Proper shipping name

ADR : PAINT

(,Copper metal powder)

TDG : PAINT CFR : PAINT IMDG : PAINT

(,Copper metal powder)

IATA : PAINT

14.3 Transport hazard class

ADR : 3
TDG : 3
CFR : 3
IMDG : 3
IATA : 3

14.4 Packing group

ADR

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

TDG

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Packaging group : II Labels : 3

CFR

Packaging group : II Labels : 3

IMDG

Packaging group : II Labels : 3

EmS Number : F-E, S-E

IATA

Packing instruction (cargo : 364

aircraft)

Packing instruction : 353

(passenger aircraft)

Packing instruction (LQ) : Y341
Packaging group : II
Labels : 3

14.5 Environmental hazards

IMDG : Marine pollutant

ADR : Environmentally hazardous

14.6 Special precautions for user

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

No data available



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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

Concern for Authorisation (Article 59).

: Not applicable

Regulation (EC) No 1005/2009 on substances that

deplete the ozone layer

: Not applicable

Regulation (EC) No 850/2004 on persistent organic

pollutants

: Not applicable

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.
H303	:	May be harmful if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H313	:	May be 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

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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.

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.