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

ROTOVARIO UV 900 111 RG

Version 4.0

Revision Date 30.01.2024

Print Date 01.02.2024

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

1.1 Product identifier

Trade name	: ROTOVARIO UV 900 111 RG
Material number	: 02145831V

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

This information is not available.

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

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

SECTION 2: Hazards identification

GHS Classification

: Acute toxicity, Category 4, Oral, H302 Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, Category 1, H317

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		erm (acute) aquatic hazar rm (chronic) aquatic haza	
GHS-Labelling			
Symbol(s)		¥2	
Signal word	: Warning		
Hazard statements	H317: M H319: C	larmful if swallowed. Aay cause an allergic skii Causes serious eye irritat Yery toxic to aquatic life w	ion.
Precautionary statements	P273 P280 Respor P301 + Rinse n P302 + P305 + water fo and eas	Avoid breathing dust. Wash skin thoroughly af Do not eat, drink or smo Contaminated work cloth orkplace. Avoid release to the env Wear protective gloves/ se: P317 + P330 IF SWA nouth. P352 IF ON SKIN: Wa P351 + P338 IF IN EX or several minutes. Remo by to do. Continue rinsing P317 If eye irritation p Collect spillage. al: Dispose of contents/ co	ke when using this product. hing should not be allowed out ironment. eye protection/ face protection. LLOWED: Get medical help. ash with plenty of water. /ES: Rinse cautiously with ve contact lenses, if present
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Hazardous components which must be listed on the label

Identification	CAS-No.
copper	7440-50-8
Poly(oxy-1,2-ethanediyl), .alphahydro- .omega[(1-oxo-2-propenyl)oxy]-, ether with 2-ethyl-2-(hydroxymethyl)-1,3- propanediol (3:1)	28961-43-5
Glycerol, propoxylated, esters with acrylic acid	52408-84-1

Other hazards which do not result in classification

Combustible Solids

SECTION 3: Composition/information on ingredients

:

Substance No.

Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
copper	7440-50-8 231-159-6	Acute Tox.;4;H302 ;2A;H319 Aquatic Acute;1;H400 Aquatic Chronic;1;H410	50 - 100
zinc	7440-66-6 231-175-3	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	20 - 25
Poly(oxy-1,2-ethanediyl), .alpha	28961-43-5	;2A;H319	20 - 25

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hydroomega[(1-oxo-2- propenyl)oxy]-, ether with 2- ethyl-2-(hydroxymethyl)-1,3- propanediol (3:1)		Skin Sens.;1;H317 Aquatic Chronic;3;H412	
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	;2A;H319 Skin Sens.;1;H317	1 - 10

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move the victim to fresh air. Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	 Remove to fresh air. If unconscious, place in recovery position and seek medical advice.
	If symptoms persist, call a physician.
In case of skin contact	: Wash off immediately with soap and plenty of water.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses.
	Keep eye wide open while rinsing.
	If eye irritation persists, consult a specialist.
If swallowed	: Induce vomiting immediately and call a physician.
	Keep respiratory tract clear.
	Do not give milk or alcoholic beverages.
	Never give anything by mouth to an unconscious person.
	lf symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

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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 (CO2)

5.2 Special hazards arising from the substance or mixture

Specific hazards during	:	Do not allow run-off from fire fighting to enter drains or water
firefighting		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. The must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of i accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	in

SECTION 6: Accidental release measures

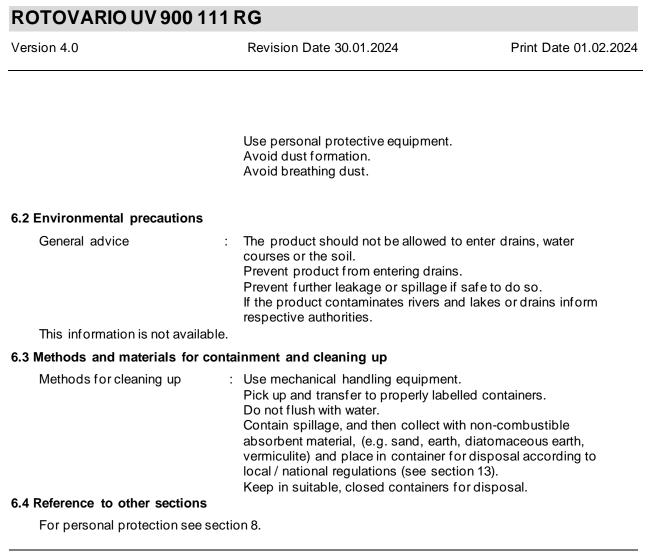
6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Evacuate personnel to safe areas.
	Ensure adequate ventilation.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: Avoid formation of respirable p vapours/dust. Avoid exposure - before use. Avoid contact with protection see section 8. Smok be prohibited in the application accordance with local and nation susceptible to skin sensitisation chronic or recurrent respiratory	obtain special instructions skin and eyes. For personal ing, eating and drinking should area. Dispose of rinse water in onal regulations. Persons oproblems or asthma, allergies,
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	employed in any process in which	this mixture is being used.
Advice on protection against fire and explosion	: Keep away from heat and sources	of ignition. No smoking.
	Avoid dust formation. Provide app at places where dust is formed.	propriate exhaust ventilation
Hygiene measures	: General industrial hygiene practice	e.
	When using do not eat or drink. W Wash hands before breaks and at	
7.2 Conditions for safe storage, i	ncluding any incompatibilities	
Requirements for storage areas and containers	: Keep away from sources of ignitio store near combustible materials. closed in a cool, well-ventilated pla quality, do not store in heat or dire	Keep containers tightly ace. To maintain product
	Keep container tightly closed in a place. Containers which are opener resealed and kept upright to prever installations / working materials mu technological safety standards.	ed must be carefully ent leakage. Electrical
Further information on storage conditions	: Protect from humidity and water.	
Advice on common storage	: Keep away from oxidizing agents, strongly acid materials in order to Do not store together with oxidizin	avoid exothermic reactions.
Dampness	: Keep in a dry, cool and well-ventila	ated place.
Other data	: No decomposition if stored and ap	oplied as directed.

7.3 Specific end use(s)

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This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Germany:

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (categor		2;(II)			
Further inform	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 Exposure controls

Personal protective equipment

Eye protection

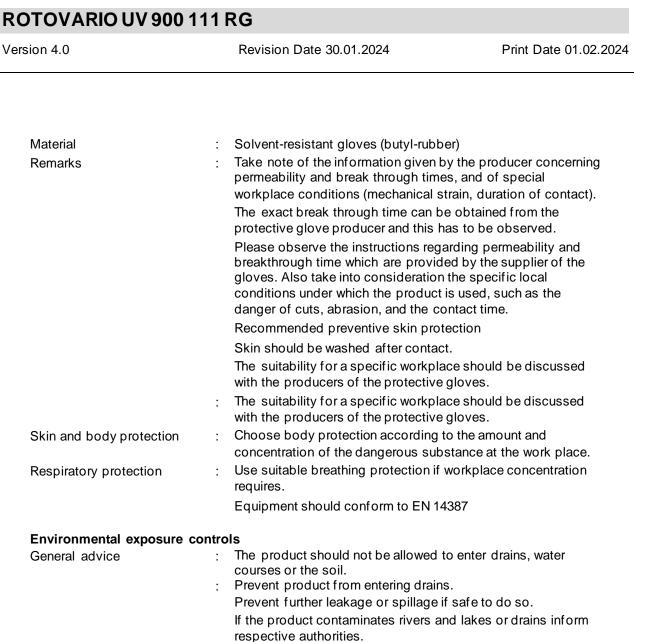
: Safety glasses

: Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.

Hand protection

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Appearance	: Pasty solid
Colour	: gold
Odour	: characteristic
рН	: substance/mixture is non-soluble (in water)
Melting point/range	: 920 - 1 065 °C
Boiling point/boiling range	: 100 - 200 °C
Flash point	: No data available
Bulk density	: No data available
Flammability (solid, gas)	: Combustible Solids
· · ·	
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: 2 - 8,4 g/cm3
Solubility(ies)	
Water solubility	: insoluble
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: No data available

9.2 Other information

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Self-Accelerating decomposition temperature (SADT)	:	No data available
Self-heating substances	:	No data available
Heat of combustion	:	No data available
Impact sensitivity	:	No data available
Surface tension	:	No data available
Conductivity	:	No data available
Sublimation point	:	No data available
Molecular weight	:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

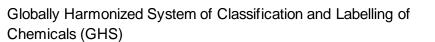
No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions	: Stable under recommended storage conditions.
	No decomposition if stored and applied as directed.
10.4 Conditions to avoid	
Conditions to avoid	: Do not allow evaporation to dryness. No data available
10.5 Incompatible materials	

10.5 Incompatible materials

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Materials to avoid	: No data available	
10.6 Hazardous decomposition	products	
Hazardous decomposition products	:	
Other information	: Carbon monoxide, carbon dioxide and	dunburned

hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

copper :

Acute oral toxicity

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

Skin corrosion/irritation

Product

May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

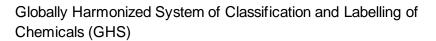
Product

May cause irreversible eye damage.

Respiratory or skin sensitisation

Product

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Causes sensitisation.

Carcinogenicity

No data available

Toxicity to reproduction/fertility

No data available

Reprod.Tox./Development/Teratogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product

No data available

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SECTION 12: Ecological information

12.1 Toxicity

<u>Components:</u> copper (7440-50-8) : M-Factor Ecotoxicology Assessment	: 10			
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.			
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.			
zinc (7440-66-6) :				
Ecotoxicology Assessment				
Short-term (acute) aquatic hazard	: Very toxic to aquatic life.			
Long-term (chronic) aquatic hazard	: Very toxic to aquatic life with long lasting effects.			
Poly(oxy-1,2-ethanediyl), .alphahydroomega[(1-oxo-2-propenyl)oxy]-, ether with 2-ethyl-2- (hydroxymethyl)-1,3-propanediol (3:1) (28961-43-5) :				
Ecotoxicology Assessment				
Long-term (chronic) aquatic hazard	: Harmful 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

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No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Product:

Additional ecological	:	An environmental hazard cannot be excluded in the event of
information		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.
Contaminated packaging	 Send to a licensed waste management company. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR	

TDG

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3077



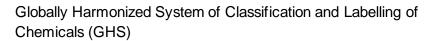
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Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3077
ΙΑΤΑ	: 3077
14.2 Proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Copper metal powder)
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(,Copper metal powder)
ΙΑΤΑ	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	(Copper metal powder)
14.3 Transport hazard class	
ADR	: 9
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 9
ΙΑΤΑ	: 9
14.4 Packing group	
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ADR

Packaging group	: 111	
Classification Code	: M7	
Hazard Identification Number	: 90	
Labels	: 9	
Tunnel restriction code	: (-)	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG		
Packaging group	: 111	
Labels	: 9	
EmS Code	F-A, S-F	
ΙΑΤΑ		
Packing instruction (cargo aircraft)	: 956	
Packing instruction (passenger aircraft)	: 956	
Packing instruction (LQ)	: Y956	
Packaging group	: 111	
Labels	: 9	
14.5 Environmental hazards		
IMDG	: Marine pollutant	
ADR	: Environmentally h	nazardous

14.6 Special precautions for user

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IMDG Code- segregation group:

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

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

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

No data available

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Banned and/or restricted (Poly(oxy-1,2-ethanediyl), .alpha hydroomega[(1-oxo-2- propenyl)oxy]-, ether with 2-ethyl-2- (hydroxymethyl)-1,3-propanediol (3:1)) (Glycerol, propoxylated, esters with acrylic acid)

15.2 Chemical safety assessment

No data available

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SECTION 16: Other information

Full text of H-Statements

H302 :	Harmful if swallowed.
H317 :	May cause an allergic skin reaction.
H319 :	Causes serious eye irritation.
H400 :	Very toxic to aquatic life.
H410 :	Very toxic to aquatic life with long lasting effects.
H412 :	Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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