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

# UNIPAK UV 286 002 Rich Pale Gold

Version 3.0

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	:	UNIPAK UV 286 002 Rich Pale Gold
Material number	:	026850N40M1

#### 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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		Short-term (acute) aquatic hazard Long-term (chronic) aquatic haza	
<b>GHS-Labelling</b> Symbol(s)	:		
Signal word	:	Warning	
Hazard statements	:	H302: Harmful if swallowed. H317: May cause an allergic skir H319: Causes serious eye irritati H410: Very toxic to aquatic life w	on.
Precautionary statements	:	<ul> <li>P272 Contaminated work cloth of the workplace.</li> <li>P273 Avoid release to the env P280 Wear protective gloves/</li> <li><b>Response:</b></li> <li>P301 + P317 + P330 IF SWAR</li> <li>Rinse mouth.</li> <li>P302 + P352 IF ON SKIN: Wa</li> <li>P305 + P351 + P338 IF IN EY</li> <li>water for several minutes. Remotiand easy to do. Continue rinsing</li> <li>P333 + P317 If skin irritation of help.</li> <li>P391 Collect spillage.</li> <li><b>Disposal:</b></li> </ul>	ter handling. ke when using this product. hing should not be allowed out ironment. eye protection/ face protection. LLOWED: Get medical help. sh 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 copper Fatty acids, C18-unsatd., dimers, polymers with acrylic acid, bisphenol A, epichlorohydrin and nonanoic acid	CAS-No. 7440-50-8 216689-76-8
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
Poly(oxy-1,2-ethanediyl),a,a'-[(1- methylethylidene)di-4,1- phenylene]bis[w_hydroxy-, polymer with 1,3- diisocyanatomethylbenzene, 2-p 4,4'-lsopropylidenediphenol, ethoxylated, esters with acrylic acid and isononanoic acid	2146146-71-4
Glycerol, propoxylated, esters with acrylic acid	52408-84-1
2-Hydroxy-1-(4-(4-(2-hydroxy-2- methylpropionyl)benzyl)phenyl)-2- methylpropan-1-one	474510-57-1

## **SECTION 3: Composition/information on ingredients**

:

Substance No.

#### Hazardous components

Chemical name	CAS-No.	Classification and	Concentration[%]
	EINECS-No.	labelling	
copper	7440-50-8	Acute Tox.;4;H302	25 - 50
	231-159-6	;2A;H319	
		Aquatic Acute;1;H400	

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		Aquatic Chronic;1;H4	10	
Fatty acids, C18-unsatd., dime polymers with acrylic acid, bisphenol A, epichlorohydrin ar nonanoic acid	nd	Skin Sens.;1	;H317	10 - 20
Poly(oxy-1,2-ethanediyl), .alph hydroomega[(1-oxo-2- propenyl)oxy]-, ether with 2- ethyl-2-(hydroxymethyl)-1,3- propanediol (3:1)	a 28961-43-5	;2A;H319 Skin Sens.;1 Aquatic Chronic;3;H4		10 - 20
Poly(oxy-1,2-ethanediyl),a,a'-[( methylethylidene)di-4,1- phenylene]bis[w_hydroxy-, polymer with 1,3- diisocyanatomethylbenzene, 2- propenoate (ester) 3,5,5-trimethylhexanoata (ester)	-	Skin Sens.;1 Aquatic Chronic;2;H4		10 - 20
4,4'-lsopropylidenediphenol, ethoxylated, esters with acrylic acid and isononanoic acid	Not Assigned919- 846-5	Skin Sens.;1 Aquatic Chronic;2;H4		2,5 - 10
zinc	7440-66-6 231-175-3	Aquatic Acut Aquatic Chronic;1;H4		2,5 - 10
Glycerol, propoxylated, esters with acrylic acid	52408-84-1	;2A;H319 Skin Sens.;1	;H317	1 - 10
2-Hydroxy-1-(4-(4-(2-hydroxy-2 methylpropionyl)benzyl)phenyl 2-methylpropan-1-one		Acute Tox.;5 Acute Tox.;5 STOT RE;2;1	;H313	1 - 2,5
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		Aquatic Acute;1;H400 Aquatic Chronic;1;H410	
2,5-Cyclohexadien-1-one, 2,6- bis(1,1-dimethylethyl)-4- (phenylmethylene)-	7078-98-0	Skin Sens.;1;H317 Aquatic Chronic;4;H413	0,1 - 0,25
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	28961-43-5	;2A;H319 Skin Sens.;1;H317	0,1 - 1

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 t	
If inhaled	Do not leave the victim unattend : Remove to fresh air. If unconscious, place in recover advice. If symptoms persist, call a phys	y position and seek medical
In case of skin contact	: Wash off immediately with soar	
In case of eye contact	: Immediately flush eye(s) with p Remove contact lenses. Keep eye wide open while rinsi	lenty of water.
If swallowed	<ul> <li>If eye irritation persists, consult</li> <li>Induce vomiting immediately an Keep respiratory tract clear.</li> <li>Do not give milk or alcoholic be Never give anything by mouth t If symptoms persist, call a phys</li> </ul>	a specialist. d call a physician. verages. o an unconscious person.
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#### 4.2 Most important symptoms and effects, both acute and delayed

This information is not available.

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

This information is not available.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing media	: Special powder against metal 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 : firefighting	Do not allow run-off from fire fighting to enter drains or water courses.
0	

#### 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. Thi must not be discharged into drains. Fire residues and	

contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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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.
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.
This information is not available.	
6.3 Methods and materials for conta	inment 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). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

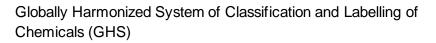
For personal protection see section 8.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

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Advice on safe handling	: Do not breathe vapours/dust. Avoi instructions before use. Avoid con personal protection see section 8. drinking should be prohibited in the of rinse water in accordance with le regulations. Persons susceptible to problems or asthma, allergies, chro disease should not be employed in mixture is being used.	atact with skin and eyes. For Smoking, eating and e application area. Dispose ocal and national o skin sensitisation onic or recurrent respiratory
Advice on protection against fire and explosion	: Keep away from heat and sources	of ignition. No smoking.
	Normal measures for preventive fin	re protection.
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	<ul> <li>Keep away from sources of ignitio store near combustible materials. I closed in a cool, well-ventilated pla quality, do not store in heat or direct Keep container tightly closed in a c place. Containers which are opened</li> </ul>	Keep containers tightly ace. To maintain product act sunlight. dry and well-ventilated
	resealed and kept upright to preve installations / working materials mu technological safety standards.	ent leakage. Electrical
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.	
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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:

Page

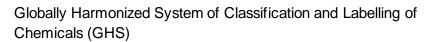
Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
copper	7440-50-8	AGW (inhalable fraction)	1 mg/m3		DE TRGS 900
zinc	7440-66-6	AGW (Inhalable fraction)	10 mg/m3	2021-07-02	DE TRGS 900
	Peak-limit: excursion 2;(II) factor (category)				
Further inform	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		cal tolerance	
zinc	7440-66-6	AGW (Alveolate fraction)	1,25 mg/m3	2021-07-02	DE TRGS 900
Peak-limit: exc factor (catego	_,(.)				
Further inform	ation	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		cal tolerance	
2-methyl-m- phenylene diisocyanate	91-08-7	AGW	0,005 ppm 0,035 mg/m3	2009-05-04	TRGS 430
Peak-limit: excursion 1;=4=(l factor (category)		1;=4=(I)			
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Further information	In well-founded cases also a momentary vestablished, that never can be exceeded. indicated by $=$ = in combination with an expensitizing substance	This substance will be
2.2 Exposure controls		
Personal protective equip	ment	
Eye protection	<ul> <li>Safety glasses</li> <li>Tightly fitting safety goggles</li> <li>Wear face-shield and protective suit f problems.</li> </ul>	or abnormal processing
Hand protection		
Material	: Solvent-resistant gloves (butyl-rubber	r)
Remarks	<ul> <li>Take note of the information given by permeability and break through times workplace conditions (mechanical strating the exact break through time can be protective glove producer and this has Please observe the instructions regard breakthrough time which are provided gloves. Also take into consideration the conditions under which the product is danger of cuts, abrasion, and the conditions should be washed after contact. The suitability for a specific workplace with the producers of the protective g</li> <li>The suitability for a specific workplace with the producers of the protective g</li> </ul>	ain, duration of contact). obtained from the s to be observed. ding permeability and d by the supplier of the he specific local s used, such as the ntact time. ction e should be discussed loves. e should be discussed
Skin and body protection	: Impervious clothing Choose body protection according to concentration of the dangerous subst	the amount and
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Respiratory protection	: Use suitable breathing protection if wor requires.	kplace concentration
	Equipment should conform to EN 14387	7
Environmental exposure cont	rols	
General advice	<ul> <li>The product should not be allowed to e courses or the soil.</li> <li>Prevent product from entering drains. Prevent further leakage or spillage if sa If the product contaminates rivers and I respective authorities.</li> </ul>	afe to do so.

## **SECTION 9: Physical and chemical properties**

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

1 5	• •
Appearance	: liquid
Colour	: gold
Odour	: characteristic
рН	: substance/mixture is non-soluble (in water)
Melting point/range	: Not applicable
Boiling point/boiling range	: >100 °C
Flash point	: >100 °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

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Density	: 1,4 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

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 dry	ness.
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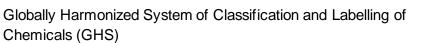




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	No data available	
10.5 Incompatible materials		
Materials to avoid	: No data available	
10.6 Hazardous decomposition	products	
Hazardous decomposition products	:	
Other information	: Carbon monoxide, carbon dioxide hydrocarbons (smoke).	and unburned
SECTION 11: Toxicological ir	nformation	
11.1 Information on toxicologica	I effects	
Acute toxicity		
Components:		
copper : Acute oral toxicity	: The component/mixture is moderatingestion.	ely toxic after single
<b>2-Hydroxy-1-(4-(4-(2-hydroxy-2-n</b> Acute oral toxicity	nethylpropionyl)benzyl)phenyl)-2-met : LD50 Rat: >2 000 mg/kg	hylpropan-1-one:
Acute dermal toxicity	: LD50 Rat: > 2 000 mg/kg	
Skin corrosion/irritation		
<u>Product</u>		
May cause skin irritation and/	or dermatitis.	



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#### Serious eye damage/eye irritation

#### Product

May cause irreversible eye damage.

#### Respiratory or skin sensitisation

#### Product

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

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#### Further information

Product No data available

## **SECTION 12: Ecological information**

12.1 Toxicity

copper (7440-50-8) :	
M-Factor	: 10
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), .al (hydroxymethyl)-1,3-propane	phahydroomega[(1-oxo-2-propenyl)oxy]-, ether with 2-ethy ediol (3:1) (28961-43-5) :
Ecotoxicology Assessment	
hazard Poly(oxy-1,2-ethanediyl),a,a'	: Harmful to aquatic life with long lasting effects. -[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn Ibenzene, 2-p (2146146-71-4) :
hazard Poly(oxy-1,2-ethanediyl),a,a'	-[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn
hazard Poly(oxy-1,2-ethanediyl), a,a'- with 1,3- diisocyanatomethyl	-[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn Ibenzene, 2-p (2146146-71-4) :
hazard Poly(oxy-1,2-ethanediyl), a,a'- with 1,3- diisocyanatomethyl Ecotoxicology Assessment Long-term (chronic) aquatic hazard	-[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn Ibenzene, 2-p (2146146-71-4) :
hazard Poly(oxy-1,2-ethanediyl), a,a'- with 1,3- diisocyanatomethyl Ecotoxicology Assessment Long-term (chronic) aquatic hazard zinc (7440-66-6) :	-[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn Ibenzene, 2-p (2146146-71-4) :
hazard Poly(oxy-1,2-ethanediyl), a,a'- with 1,3- diisocyanatomethyl Ecotoxicology Assessment Long-term (chronic) aquatic hazard zinc (7440-66-6) : Ecotoxicology Assessment Short-term (acute) aquatic	-[(1-methylethylidene)di-4,1-phenylene]bis[w_hydroxy-, polyn Ibenzene, 2-p (2146146-71-4) : : Toxic to aquatic life with long lasting effects.



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#### hazard 2-Hydroxy-1-(4-(4-(2-hydroxy-2-methylpropionyl)benzyl)phenyl)-2-methylpropan-1-one (474510-57-1): M-Factor : 1 Ecotoxicology Assessment Short-term (acute) aquatic : Very toxic to aquatic life. hazard Long-term (chronic) aquatic : Very toxic to aquatic life with long lasting effects. hazard

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

No data available

#### 12.6 Other adverse effects

#### Product:

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

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## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

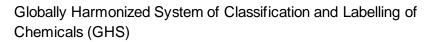
Product	<ul> <li>The product should not be allowed to enter drains, water courses or the soil.</li> <li>Do not contaminate ponds, waterways or ditches with chemical or used container.</li> </ul>
Contaminated packaging	<ul> <li>Send to a licensed waste management company.</li> <li>Empty remaining contents.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

## **SECTION 14: Transport information**

14.1 UN number	
ADR	: 3082
TDG	
Not dangerous goods	
CFR	
Not dangerous goods	
IMDG	: 3082
ΙΑΤΑ	: 3082
14.2 Proper shipping name	
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
	(Copper metal powder)
TDG	
Not dangerous goods	
CFR	

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Not dangerous goods		
IMDG	: ENVIRONMENTALLY HAZARI N.O.S.	DOUS SUBSTANCE, LIQUID,
	(,Copper metal powder )	
ΙΑΤΑ	: ENVIRONMENTALLY HAZARI N.O.S.	DOUS SUBSTANCE, LIQUID,
	(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		
ADR		
Packaging group	: III	
Classification Code	: M6	
Hazard Identification Number	: 90	
Labels	: 9	
Tunnel restriction code	: (-)	
TDG		
Not dangerous goods		
CFR		
Not dangerous goods		
IMDG		
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Packaging group	: 111	
Labels	: 9	
EmS Code	: F-A, S-F	
ΙΑΤΑ		
Packing instruction (cargo aircraft)	: 964	
Packing instruction (passenger aircraft)	: 964	
Packing instruction (LQ)	: Y964	
Packaging group	: III	
Labels	: 9	
14.5 Environmental hazards		
ADR	: Environmentally hazardous	
IMDG	: Marine pollutant	

#### 14.6 Special precautions for user

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		: Not	applicable
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# UNIPAK UV 286 002 Rich Pale Gold

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(Annex XIV) Regulation (EC) No 1005/2 deplete the ozone layer Regulation (EU) 2019/102 pollutants (recast) REACH - Restrictions on t the market and use of cer mixtures and articles (Ann REACH - Restrictions on t	es subject to authorisation 2009 on substances that 1 on persistent organic the manufacture, placing on tain dangerous substances, ex XVII) the manufacture, placing on tain dangerous substances,	(Fatty aci polymers A, epichlo acid) (Poly(oxy hydroon propenyl) (hydroxyr (3:1)) (Poly(oxy methyleth phenylend with 1,3- diisocyar (Glycerol, acrylic ac (2,6-bis(1 (phenyler 2,5-dien-1 (Propylid)	cable cable and/or restricted ids, C18-unsatd., dimers, with acrylic acid, bisphenol prohydrin and nonanoic r-1,2-ethanediyl), .alpha mega[(1-oxo-2- )oxy]-, ether with 2-ethyl-2- methyl)-1,3-propanediol r-1,2-ethanediyl),a,a'-[(1- nylidene)di-4,1- e]bis[w_hydroxy-, polymer natomethylbenzene, 2-p) , propoxylated, esters with cid) ,1-dimethylethyl)-4- memethylene)cyclohexa-

**C**ECKART

#### 15.2 Chemical safety assessment

No data available

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

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#### **SECTION 16: Other information**

Full text of H-Statements		
H302	:	Harmful if swallowed.
H303	:	May be harmful if swallowed.
H313	:	May be harmful in contact with skin.
H317	:	May cause an allergic skin reaction.
H319	:	Causes serious eye irritation.
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.
H412	:	Harmful to aquatic life with long lasting effects.
H413	:	May cause long lasting harmful effects to aquatic life.

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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