

MATERIAL SAFETY DATA SHEET

according to 2001/58 EC

3797212

Reviewed on: 02.07.2019

Printing date: 02.07.2019

01 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:**
HYDROPUR 2K COLOR 7515
- **Article number / Safety Data Sheet:**
751500
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Teknos Feyco AG
Industriestrasse 3
LI-9487 Gamprin-Bendern
T +423 375 94 00
F +423 375 94 99
- **Further information obtainable from:**
Product safety department.
e-mail address: li-sdb@teknos.com
- **Emergency telephone number:**
Swiss Toxicological Information Centre
Emergency telephone: +41 (0)44 251 51 51

02 Hazards identification

- **Classification of the substance or mixture**
Acute Tox. 5 - H333 May be harmful if inhaled.
H316 Causes mild skin irritation.
- H402 Harmful to aquatic life.
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
- **Label elements**
- GHS label elements
- Hazard pictograms
Void
- Signal word
Warning
- Hazard-determining components of labelling:
titanium dioxide / 2-butoxyethanol / Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
- **Hazard statements**
H333 May be harmful if inhaled.
H316 Causes mild skin irritation.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P304+P312 IF INHALED: Call a POISON CENTER/doctor if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

03 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

CAS Number		%
111-76-2	2-butoxyethanol	1,00- 5,00
	EC number: 203-905-0	
	Record number 01-2119475108-36	

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112-34-5	<p> Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2A - H319; H227 2-(2-butoxyethoxy)ethanol EC number: 203-961-6 Record number 01-2119475104-44</p>	1,00- 5,00
34590-94-8	<p> Eye Irrit. 2A - H319 Dipropylene glycol monomethyl ether EC number: 252-104-2 Record number 01-2119450011-60 H227</p>	0,00- 0,50
41556-26-7	<p>Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Record number 01-2119491304-40</p>	0,00- 0,50
82919-37-7	<p> Skin Sens. 1 - H317;  Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410; H227, Acute Tox. 5 - H303, Acute Tox. 5 - H313, Acute Tox. 5 - H333 Methyl1,2,2,6,6-pentamethyl-4-piperidyl EC number: 280-060-4 Record number 01-2119976378-19</p>	0,00- 0,50
13463-67-7	<p> Skin Sens. 1 - H317;  Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 titanium dioxide EC number: 236-675-5 Record number 01-2119489379-17 Acute Tox. 5 - H333</p>	15,00- 25,00

04 First aid measures

- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.

05 Firefighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:**
Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

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06 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

07 Handling and storage

- **Handling:**
- **Precautions for safe handling**
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:**
No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Not required.
- **Further information about storage conditions:**
Protect from frost.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s)**
No further relevant information available.

08 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

34590-94-8

Dipropylene glycol monomethyl ether

OEL

Short-term value	900	mg/m3
Long-term value	600	mg/m3

- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat or drink while working.
Be sure to clean skin thoroughly after work and before breaks.
- **Respiratory protection: Suitable respiratory protective device recommended.**
- **Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Impervious gloves**
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- *Eye protection: Safety glasses*
- *Body protection: Protective work clothing*

09 Physical and chemical properties

Appearance	
Appearance:	
Form:	Not determined.
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
Change in condition	
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	at 20 °C 23,0000 mbar
Density:	1,2200 g/cm ³
Solubility in / Miscibility with water:	
	Not determined.
Viscosity:	
.	Not determined.
.	at 20 °C 75 - 85 s DIN 4 mm
Other information	
No further relevant information available.	

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Incompatible materials:**
No further relevant information available.
- **Hazardous decomposition products:**
No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**
- **LD/LC50 values relevant for classification:**

111-76-2 2-butoxyethanol

Oral, LD50: 1746 mg/kg (rat)
Oral, LD50: 1414 mg/kg (guinea Pig)
Dermal, LD50: 2000 mg/kg (rat)
Dermal, LD50: 1000 mg/kg (Rabbit)
Dermal, LD50: 2000 mg/kg (guinea Pig)

112-34-5 2-(2-butoxyethoxy)ethanol

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Oral, LD50: 5660 mg/kg (rat)
Dermal, LD50: 4000 mg/kg (Rabbit)

7631-86-9 silicon dioxide, chemically prepared

Oral, LD50: 10000 mg/kg (rat)

34590-94-8 Dipropylene glycol monomethyl ether

Oral, LD50: 5135 mg/kg (rat)
Dermal, LD50: >19000 mg/kg (Rabbit)

13463-67-7 titanium dioxide

Oral, LD50: >20000 mg/kg (rat)
Dermal, LD50: >10000 mg/kg (Rabbit)
Inhalative, LC50/4h: >6,82 mg/l (rat)

- *Primary irritant effect:*
- Skin corrosion/irritation
No irritant effect.
- Serious eye damage/irritation
No irritating effect.
- *Respiratory or skin sensitisation*
No sensitising effects known.

12 Ecological information

- *Aquatic toxicity:*
No further relevant information available.
- **Persistence and degradability**
No further relevant information available.
- **Behaviour in environmental systems:**
- *Bioaccumulative potential*
No further relevant information available.
- **Ecotoxicological effects:**
- *Remark:*
Harmful to fish
- **Additional ecological information:**
- *General notes:*
Harmful to aquatic organisms
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Uncleaned packaging:**
- *Recommendation:*
Disposal must be made according to official regulations.
- *Recommended cleansing agents:*
Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- ADR Void
- IMDG Void
- IATA Void
- **UN proper shipping name**
- ADR Void
- IMDG Void
- IATA Void
- **Transport hazard class(es)**
- ADR Void
- Class Void
- IMDG

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Class Void

IATA

Class Void

• **Packing group**

ADR Void

IMDG Void

IATA Void

• **Environmental hazards:**

Not applicable.

• **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

• **Transport/Additional information:**

Not applicable.

15 Regulatory information

- Inventory of Hazardous Chemicals
111-76-2 2-butoxyethanol

• **National regulations:**

- Classification according to VbF:

B

- Technical instructions (air):

- Class Share in %

I 1,73

- Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H333	May be harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

- **Department issuing MSDS:**

Environment protection department.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- * Data compared to the previous version altered.