according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



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

1.1. Product identifier

Article No. (manufacturer/supplier) 1802

Trade name/designation ACQUAPUR ACR 2K-finishing enamel gloss

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

Relevant identified uses

Coating material to protect surfaces

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Vismara Unternehmungen CH-5000 Aarau www.farbladen.ch

Department responsible for information:

Labor E-mail

1.4. Emergency telephone number

Emergency telephone number +41 32 622 41 41 Toxikologisches Zentrum +41 44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Skin Sens. 1 / H317 Respiratory or skin sensitisation May cause an allergic skin reaction.

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Warning

Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe vapour.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/.?.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

reaction mass of

-butyl-4-hydroxyphenyl) propionyloxypoly (oxyethylene)

1,2-benzisothiazol-3(2H)-one

reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H

-isothiazol-3- one [EC no. 220-239-6] (3:1) Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

2,4,7,9-tetramethyldec-5-yne-4,7-diol

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methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Supplemental hazard information

not applicable

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

Mixtures

Description no information available

Classification according to Regulation (EC) No 1272/2008 [CLP]

EC No. REACH No.		
CAS No.	Designation	weight-%
Index No.	classification // Remark	
225-878-4	01-2119475527-28	
5131-66-8	3-butoxypropan-2-ol	2.5 - 5
603-052-00-8	Eye Irrit. 2 H319 / Skin Irrit. 2 H315	
918-668-5	01-2119455851-35	
64742-95-6	Solvent naphtha (petroleum), light arom.	2.5 - 5
649-356-00-4	Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / STOT SE 3 H336 / Aquatic Chronic 2 H411	
919-446-0	01-2119458049-33	
64742-82-1 649-330-00-2	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226	1 - 2.5
400-830-7	01-0000015075-76	
607-176-00-3		1 - 2.5
	$\alpha\text{-}3\text{-}(3\text{-}(2H\text{-}benzotriazol\text{-}2\text{-}yl)\text{-}5\text{-}tert\text{-}butyl\text{-}4\text{-}hydroxyphenyl}) propionyl\text{-}\omega\text{-}hydroxy$	
	poly(oxyethylene) and	
	α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-3-(3-(2	
	H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) Skin Sens. 1 H317 / Aquatic Chronic 2 H411	
280-060-4		
82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	1 - 2.5
255-437-1		
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Skin Sens. 1 H317 / Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	< 0.5
204-809-1		
126-86-3	2,4,7,9-tetramethyldec-5-yne-4,7-diol Eye Dam. 1 H318 / Skin Sens. 1 H317 / Aquatic Chronic 3 H412	< 0.5
220-120-9		
2634-33-5	1,2-benzisothiazol-3(2H)-one	< 0.5
613-088-00-6	Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Skin Sens. 1	
	H317 / Aquatic Acute 1 H400	
	Specific concentration limit (SCL): Skin Sens. 1 H317 >= 0.05	
55965-84-9	reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one [EC no.	< 0.5
613-167-00-5	247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1)	- 0.0
0.0 101 00 0	Acute Tox. 3 H301 / Acute Tox. 3 H311 / Acute Tox. 3 H331 / Skin Corr.	
	1B H314 / Skin Sens. 1 H317 / Aquatic Acute 1 H400 (M = 10) / Aquatic	
	Chronic 1 H410	
	Specific concentration limit (SCL): Skin Corr. 1B H314 >= 0.6 / Skin Irrit. 2	
	H315 >= 0.06 / Eye Irrit. 2 H319 >= 0.06 / Skin Sens. 1 H317 >= 0.0015	

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EU) 2015/830

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General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original

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container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight.

Due to the content of organic solvents in the preparation:

Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

not applicable

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0,4 mm; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state: Liquid
Colour: refer to label
Odour: characteristic

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Odour threshold: not applicable pH at 20 °C: not applicable Melting point/freezing point: not applicable

Initial boiling point and boiling range: 100 °C

Source: Wasser Chem. rein

Flash point: not applicable Evaporation rate: not applicable

flammability

Burning time: not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: 0.85 Vol-% Upper explosion limit: 8.4 Vol-%

Source: 3-butoxypropan-2-ol

Vapour pressure at 20 °C: 8.5 mbar
Vapour density: not applicable

Relative density:

Density at 20 °C: 1.15 g/cm³

Solubility(ies):

Water solubility at 20 °C: partially soluble Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: 200 °C

Source: Isoalkane C11-C12

Decomposition temperature: not applicable Viscosity at 20 °C: 40 s 8 mm

Method: DIN 53211

Explosive properties: not applicable
Oxidising properties: not applicable

9.2. Other information

Solid content: 53 weight-%

solvent content:

Organic solvents: 10 weight-% Water: 37 weight-%

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

11.1. Information on toxicological effects

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830

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Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation; Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure; STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

Classification according to Regulation (EC) No 1272/2008 [CLP]

Do not allow to enter into surface water or drains.

12.1. Toxicity

Based on available data, the classification criteria are not met.

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111* Waste paint and varnish containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

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Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1. UN number

not applicable

14.2. UN proper shipping name

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

Land transport (ADR/RID) not applicable

Marine pollutant not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

tunnel restriction code

Sea transport (IMDG)

EmS-No. not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 111

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

To the following cubotaness of the mixture a chemical suicty accessment has been curried out.			
EC No. CAS No.	Designation	REACH No.	
	2 hutawaranan 2 al	01-2119475527-28	
225-878-4	3-butoxypropan-2-ol	01-21194/332/-20	
5131-66-8			
918-668-5	Solvent naphtha (petroleum), light arom.	01-2119455851-35	
64742-95-6	, , , , , , , , , , , , , , , , , , ,		
919-446-0	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics	01-2119458049-33	
64742-82-1	(2-25%)		

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400-830-7 of 01-0000015075-76 reaction mass

> α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl ω-hydroxypoly(oxyethylene) α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl

> ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionylo

xvpolv(oxvethylene)

SECTION 16: Other information

Full text of classification in section 3:

Eve Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation. Skin Irrit. 2 / H315 Skin corrosion/irritation Causes skin irritation. Flammable liquids Flammable liquid and vapour. Flam. Lig. 3 / H226

Asp. Tox. 1 / H304 Aspiration hazard May be fatal if swallowed and enters airways.

STOT SE 3 / H335 STOT-single exposure May cause respiratory irritation. STOT SE 3 / H336 STOT-single exposure May cause drowsiness or dizziness.

Hazardous to the aquatic environment Toxic to aquatic life with long lasting effects. Aquatic Chronic 2 / H411

Respiratory or skin sensitisation May cause an allergic skin reaction. Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Hazardous to the aquatic environment Very toxic to aquatic organisms. Aquatic Chronic 1 / H410

Hazardous to the aquatic environment Very toxic to aquatic life with long lasting

effects.

Eye Dam. 1 / H318 Serious eye damage/eye irritation Causes serious eye damage.

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

Acute Tox. 4 / H302 Acute toxicity (oral) Harmful if swallowed. Acute Tox. 3 / H301 Acute toxicity (oral) Toxic if swallowed. Acute Tox. 3 / H311 Acute toxicity (dermal) Toxic in contact with skin.

Acute Tox. 3 / H331 Acute toxicity (inhalative) Toxic if inhaled.

Skin Corr. 1B / H314 Skin corrosion/irritation Causes severe skin burns and eye damage.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP] Skin Sens. 1 Respiratory or skin sensitisation Calculation method.

Hazardous to the aquatic environment Aquatic Chronic 3 Calculation method.

Abbreviations and acronyms

European Agreement concerning the International Carriage of Dangerous Goods by Road ADR

OEL Occupational Exposure Limit Value

BLV Biological Limit Value CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging Carcinogenic, Mutagenic and Reprotoxic **CMR**

German Institute for Standardization / German industrial standard DIN

DNEL Derived No-Effect Level

EAKV European Waste Catalogue Directive

Effective Concentration EC EC **European Community** ΕN European Standard

IATA-DGR International Air Transport Association – Dangerous Goods Regulations

International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk IBC Code ICAO-TI International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous

Goods by Air

IMDG Code International Maritime Code for Dangerous Goods ISO International Organization for Standardization

LC Lethal Concentration

LD Lethal Dose

MARPOL Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OECD Organisation for Economic Cooperation and Development

PBT persistent, bioaccumulative, toxic Predicted No Effect Concentration **PNEC**

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

United Nations UN

Volatile Organic Compounds VOC

very persistent and very bioaccumulative vPvB

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830

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Further information

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

^{*} Data changed compared with the previous version