

SAFETY DATA SHEET

SÜDWEST AquaVision PU-Buntlack Satin

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Rev. no.	2.4
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name: SÜDWEST AquaVision PU-Buntlack Satin

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

Lacquer

Uses advised against: This information is not available.

1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG
 Iggelheimer Str. 13
 D - 67459 Böhl-Iggelheim
 Telephone: +49 6324/709-0
 info@suedwest.de
 www.suedwest.de

E-mail address of person responsible for the SDS European Union: sdb@suedwest.de

1.4 Emergency telephone number European Union

Phone: +44 (0) 1865 407333

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

|| No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

|| Precautionary statements :

Prevention:

P273 Avoid release to the environment.

Additional Labelling

|| EUH210 Safety data sheet available on request.

|| EUH208 Contains 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). May produce an allergic reaction.

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These are preservatives.
Avoid contact with the skin and the eyes.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60-XXXX	Acute Tox. 4; H302 Acute Tox. 2; H330 Eye Dam. 1; H318 Skin Irrit. 2; H315 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1A ≥ 0,036 % Acute toxicity estimate Acute oral toxicity: 450 mg/kg Acute inhalation toxicity: 0,21 mg/l	≥ 0,025 - < 0,036
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)	55965-84-9 613-167-00-5 01-2120764691-48-XXXX	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Corr. 1C; H314 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318	≥ 0,0002 - < 0,0015

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		EUH071 <hr/> M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 <hr/> specific concentration limit Skin Corr. 1C ≥ 0,6 % Skin Irrit. 2 0,06 - < 0,6 % Eye Irrit. 2 0,06 - < 0,6 % Skin Sens. 1A ≥ 0,0015 % Eye Dam. 1 ≥ 0,6 %	
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For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Obtain medical attention. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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	Provide sufficient air exchange and/or exhaust in work rooms. Comply with the statutory regulations on health and safety at work.
Hygiene measures	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in original container. Observe label precautions. Protect from frost, heat and sunlight.
Advice on common storage	Keep away from oxidizing agents and strongly acid or alkaline materials. Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)	For further information, see also Technical Data Sheet for the product.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Contains no substances with occupational exposure limit values.
The lists that were valid during the creation were used as basis.

|| Monitoring procedures for the assessment of workplace exposure: standard EN 482

8.2 Exposure controls

Engineering measures

Ensure good ventilation; if possible, use / install internal extractor equipment.

Personal protective equipment

Eye/face protection : Wear protective goggles for protection against splashed liquid.

Safety glasses with side-shields conforming to EN166

Hand protection

Material : Nitrile rubber

Break through time : 480 min

Glove thickness : 0,4 mm

Remarks : Recommended preventive skin protection Before starting work, apply water-resistant skincare preparations to exposed skin areas. Protective gloves should be worn in case of skin contact during

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preparation and application.

Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

- Skin and body protection : Work clothes
- Skin should be washed after contact.
- Do NOT use solvents or thinners.
- Respiratory protection : No personal respiratory protective equipment normally required.
- In case of inadequate ventilation wear respiratory protection.
- Employees involved in spraying work or in the immediate vicinity of such work should use a P2 particle filter against spray fog.
- Respiratory protection complying with EN 143.

Environmental exposure controls

- Air : Avoid release to the environment.
- Soil : Avoid subsoil penetration.
- Water : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : various

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Odour : characteristic

Odour Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : 100 °C

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : Not applicable

Decomposition temperature : No data available

pH : ca. 8,8

Viscosity
Viscosity, dynamic : ca. 2.425 mPa.s (20 °C)

Flow time : No data available

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Solubility(ies) Water solubility	:	miscible
Partition coefficient: n- octanol/water	:	not determined
Vapour pressure	:	23 hPa (20 °C)
Density	:	ca. 1,26 g/cm ³
Relative vapour density	:	not determined

9.2 Other information

Explosives	:	Not explosive
Oxidizing properties	:	Not applicable
Flammability (liquids)	:	Not applicable
Self-ignition	:	not auto-flammable
Evaporation rate	:	not determined

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SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions This information is not available.

10.4 Conditions to avoid

Conditions to avoid Stable under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Materials to avoid Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

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

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

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

Components:

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

Acute oral toxicity Acute toxicity estimate: 450 mg/kg
Method: Expert judgement

Acute inhalation toxicity Acute toxicity estimate: 0,21 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Expert judgement

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):

Acute oral toxicity Toxic if swallowed.

Acute inhalation toxicity Assessment: Corrosive to the respiratory tract.
Fatal if inhaled.

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Acute dermal toxicity

Fatal in contact with skin.

Skin corrosion/irritation

Product:

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

Components:

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

Causes skin irritation.

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):

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Product:

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

Components:

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

Causes serious eye damage.

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):

Causes serious eye damage.

Respiratory or skin sensitisation

Product:

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

Components:

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

May cause an allergic skin reaction.

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):

May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Genotoxicity in vitro

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

Carcinogenicity

Product:

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

Reproductive toxicity

Product:

Effects on fertility

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

Developmental Toxicity

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

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

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Aspiration toxicity

Product:

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

Further information

Product:

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks : The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish : No data available

Components:

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

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 3,27 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Selenastrum capricornutum (green algae)): 0,04 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : NOEC: 0,21 mg/l
Exposure time: 28 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 215

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1,2 mg/l
Exposure time: 21 d
Species: Daphnia (water flea)
Method: OECD Test Guideline 211

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M-Factor (Chronic aquatic toxicity)	1
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):	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia (water flea)): 0,12 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	EC50 (Skeletonema costatum (marine diatom)): 0,0052 mg/l Exposure time: 48 h
	NOEC (Skeletonema costatum (marine diatom)): 0,00049 mg/l Exposure time: 48 h
M-Factor (Acute aquatic toxicity)	100
Toxicity to fish (Chronic toxicity)	NOEC: 0,098 mg/l Exposure time: 28 d Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 0,004 mg/l Exposure time: 21 d Species: Daphnia (water flea)
M-Factor (Chronic aquatic toxicity)	100

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

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

Biodegradability not rapidly degradable

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):

Biodegradability not rapidly degradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

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

Partition coefficient: n-octanol/water log Pow: 0,7
Method: OECD Test Guideline 117

12.4 Mobility in soil

Product:

Mobility No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

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12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information Do not allow product to enter into ground water, bodies of water or sewage systems.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	The user is responsible for proper coding and marking of any waste. Dispose of as special waste in compliance with local and national regulations. Partial and residual quantities can be reused.
Contaminated packaging	Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.
Waste key for the unused product	08 01 12 Waste paint and varnish other than those covered by 08 01 11

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

14.6 Special precautions for user

Remarks This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

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SECTION 15: REGULATORY INFORMATION

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

VOC
Directive 2010/75/EU 2,3 %

VOC
Directive 2004/42/EC 2,5 %
31,7 g/l

EU limit value for this product (cat. A/d) :130 g/l This product contains
max130 g/lVOC.

Regulation (EU) No 649/2012 of
the European Parliament and the
Council concerning the export and
import of dangerous chemicals Not applicable

REACH - Restrictions on the
manufacture, placing on the
market and use of certain
dangerous substances, mixtures
and articles (Annex XVII)

Conditions of restriction for the following entries should be considered:
(78, 75)

REACH - Restrictions on the
manufacture, placing on the
market and use of certain
dangerous substances, mixtures
and articles (Annex XVII)

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

Other regulations

Comply with the statutory regulations on health and safety at work.

15.2 Chemical safety assessment

This information is not available.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.
The information in this Safety Data Sheet corresponds to our present state of knowledge and
conforms to both national and EU legislation. The user's working conditions are, however,
beyond our knowledge and control. The user is responsible for complying with all necessary
legal requirements. The information in this Safety Data Sheet describes the safety requirements
of our product and does not constitute any assurance of product properties.

Full text of H-Statements

H301 : Toxic if swallowed.
H302 : Harmful if swallowed.
H310 : Fatal in contact with skin.

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H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H330	: Fatal if inhaled.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Eye Dam.	: Serious eye damage
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitisation

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information	It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.
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Department issuing MSDS
REG_EU / EN

sdb@suedwest.de

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