

Page 1/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

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

- · 1.1 Product identifier
- · Trade name: ZESTRON® SW · **UFI**: X7P0-6083-M00W-7K7F
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Application of the substance / the mixture Cleaning agent/ Cleaner
- · Uses advised against No further relevant information available.
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

ZESTRON

..a Business Division of Dr.O.K.Wack Chemie GmbH

Untere Au 9

D - 85107 Baar-Ebenhausen

Tel. +49 8453 41995 -300

www.zestron.com

info@ZESTRON.com

- · Further information obtainable from: Safety department
- · 1.4 Emergency telephone number: During business hours: +49 8453 41995-501

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



- · Signal word Warning
- · Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· Precautionary statements

P280 Wear protective gloves / eye protection. P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- · 2.3 Other hazards No further relevant information available.
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.



Page 2/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of the substances with nonhazardous additions.
- · Dangerous components:

CAS: 5131-66-8	1-butoxypropan-2-ol	Skin Irrit. 2, H315; Eye Irrit. 2, H319	>50%
EINECS: 225-878-4			
Index number: 603-052-00-8			
Reg.nr.: 01-2119475527-28-xxxx			

· **SVHC** None

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Take affected persons out into the fresh air.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

Seek medical treatment.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Ensure adequate ventilation

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)



Page 3/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

(Contd. of page 2)

Dispose contaminated material as waste according to section 13.

6.4 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.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling Wear protective clothing.
- Information about fire and explosion protection:

Cool endangered receptacles with water spray.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:

Store in cool, dry conditions in well sealed receptacles.

- Information about storage in one common storage facility: Store away from oxidising agents.
- · Further information about storage conditions: Keep container tightly sealed.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

	DNELs 5131-66-8 1-butoxypropan-2-ol				
Γ					
	Oral	DNEL system. effects (long-term)	12.5 mg/kg KG/Tag (consumer)		
	Dermal	DNEL system. effects (long-term)	22 mg/kg KG/Tag (consumer)		
			52 mg/kg KG/Tag (worker)		
	Inhalative	DNEL system. effects (long-term)	43 mg/m³ (consumer)		
			147 mg/m³ (worker)		

·PNECs

5131-66-8 1-butoxypropan-2-ol

PNEC | 0.0525 mg/l (marine water) | 0.525 mg/l (fresh water)

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid contact with the eyes and skin.

- · Respiratory protection: Not necessary if room is well-ventilated.
- · Hand protection

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 4)



Page 4/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

(Contd. of page 3)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- · Eve/face protection Tightly sealed goggles
- · Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state Fluid · Colour: Colourless · Odour: Specific type · Odour threshold: Not determined < - 20 °C

· Melting point/freezing point:

Boiling point or initial boiling point and boiling

100 - 171 °C range · Flammability Not applicable.

· Lower and upper explosion limit

· Lower: Not determined · Upper: Not determined

· Flash point: 67°C

· Auto-ignition temperature: Not determined · Decomposition temperature: Not determined. Not applicable · pH

· Viscosity:

· Kinematic viscosity Not determined Not determined · Dynamic:

· Solubility

Partly miscible. · water: · Partition coefficient n-octanol/water (log value) Not determined.

· Vapour pressure at 20 °C:

· Density and/or relative density

· Density at 20 °C: 0.89 +/- 0.02 g/cm³ (DIN 51757)

· Relative density Not determined. Not determined. · Vapour density

· 9.2 Other information

· Appearance:

· Form: Liquid

· Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

3 hPa

Molecular weight No further relevant information available.

(Contd. on page 5)



Page 5/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

		(Contd. of page
Change in condition		
Evaporation rate	Not determined.	
Information with regard to physical hazard cl	asses	
Explosives	Void	
Flammable gases	Void	
Aerosols	Void	
Oxidising gases	Void	
Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamma	able	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: Store away from oxidising agents.
- · 10.6 Hazardous decomposition products: No decomposition if used and stored according to specifications.
- · Additional information: Can be distilled without decomposing at normal pressure.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values re	levant for c	lassification:
---------------------	--------------	----------------

5131-66-8 1-butoxypropan-2-ol

Oral | LD50 | 3,300 mg/kg (rat) Dermal | LD50 | >2,000 mg/kg (rat)

- Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.

(Contd. on page 6)



Page 6/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

(Contd. of page 5)

- · 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.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:

5131-66-8 1-butoxypropan-2-ol

LC50/96h (static) >560-1,000 mg/l (Poecilia reticulata)

EC50/3h >1,000 mg/l (bacteria)

EC50/48h (static) >1,000 mg/l (Daphnia magna)

EC50/96h >1,000 mg/l (Pseudokirchneriella subcapitata)

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

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.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Disposal must be made according to official regulations.
- European waste catalogue

14 06 03* other solvents and solvent mixtures

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

SECTION 14: Transport information

- · 14.1 UN number or ID number
- · ADR, ADN, IMDG, IATA Void
- 14.2 UN proper shipping name
- · ADR, ADN, IMDG, IATA Void

(Contd. on page 7)



Page 7/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

	(Contd. of page
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	None No
· 14.6 Special precautions for user	None
· 14.7 Maritime transport in bulk according instruments	y to IMO Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- · Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· Classification according to Regulation (EC) No 1272/2008 Calculation method

(Contd. on page 8)



Page 8/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 24.06.2024 V - 6.0 (replaces version 5.2) Revision: 24.06.2024

Trade name: ZESTRON® SW

· Date of previous version: 30.04.2024

Version number of previous version: 5.2

Abbreviations and acronyms:
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

* Data compared to the previous version altered.

(Contd. of page 7)