

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.10.2019


Version number 4.00

Revision: 10.10.2019

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

- **1.1 Product identifier**
- **Trade name: Viva Turbulent**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** PW Widespread use by professional workers
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture**
Laundry
Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SEITZ GmbH
Gutenbergstrasse 1 - 3
65830 Kriftel / Germany
Tel. + 49(0) 6192-9948-0
Fax + 49(0) 6192-9948-99
order@seitz24.com
www.seitz24.com
- **Further information obtainable from:** sds@seitz24.com
- **1.4 Emergency telephone number:** GIZ-Nord, Göttingen, Germany + 49 551 19240

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Eye Dam. 1 H318 Causes serious eye damage.
- **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**

GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:**
(1-hydroxyethylidene)bisphosphonic acid, potassium salt
isotridecanol, ethoxylated
- **Hazard statements**
H318 Causes serious eye damage.
- **Precautionary statements**
P280 Wear protective gloves / eye protection.

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

P310 Immediately call a POISON CENTER/doctor.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

· **Dangerous components:**

CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60-xxxx	(2-methoxymethylethoxy)propanol substance with a Community workplace exposure limit	< 15%
CAS: 67953-76-8 EINECS: 267-956-0 Reg.nr.: Not applicable*	(1-hydroxyethylidene)bisphosphonic acid, potassium salt Met. Corr.1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	< 5%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37-xxxx	sodium p-cumenesulphonate Eye Irrit. 2, H319	< 5%
CAS: 69011-36-5 Polymer	isotridecanol, ethoxylated Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 1 % ≤ C < 10 %	< 5%
CAS: 69011-36-5 Polymer	isotridecanol, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	< 2.5%
CAS: 69011-36-5 Polymer	isotridecanol, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 1 % ≤ C < 10 %	< 2.5%
CAS: 69011-36-5 Polymer	Isotridecanol, ethoxylated Eye Irrit. 2, H319; Aquatic Chronic 3, H412	< 2%

· **Regulation (EC) No 648/2004 - Labelling for contents**

non-ionic surfactants	≥5 - <15%
phosphonates	<5%
optical brighteners, perfumes (HEXYL CINNAMAL), enzymes, BENZISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, TETRAMETHYLOLGLYCOLURIL, GLUTARAL	

· **Additional information**

*exempted according to REACH Article 2(7) and Annex V. Each starting material of the ionic mixture is registered, as required.

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Note: under REACH there is no legal requirement to provide justification for absence of Registration number. This is provided for clarity and consistency reasons.
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** Immediately remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of problems.
- **After skin contact**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** Eye damage
- **4.3 Indication of any immediate medical attention and special treatment needed**
Symptomatic treatment

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.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents** No further relevant information available.
- **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:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Send for recovery or disposal in suitable receptacles.

· **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**

Keep away from heat and direct sunlight.

Avoid contact with eyes and skin.

Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

Protect from heat and direct sunlight.

Store in cool, dry conditions in well sealed receptacles.

Protect from frost.

Time of storage: max. 24 month

· **Storage class 12**

· **7.3 Specific end use(s)** Laundry

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

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

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

WEL	Long-term value: 308 mg/m ³ , 50 ppm
Sk	

CAS: 56-81-5 glycerol

WEL	Long-term value: 10 mg/m ³
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· **Regulatory information** WEL: EH40/2018

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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Do not eat, drink, smoke or sniff while working.

Do not inhale gases / vapours / aerosols.

· **Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation (exceeding the workplace limit values, formation of aerosols).

Combination filter ABEK-P2

· **Protection of hands:**

Protective gloves.

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

· **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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

· **Eye 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**

· **Appearance:**

Form:	Fluid
Colour:	Violet
Odour:	Product specific
Odour threshold:	Not determined.

· **pH-value at 20 °C:** ~ 7.6

· **Change in condition**

Melting point/freezing point:	undetermined
Initial boiling point and boiling range:	undetermined

· **Flash point:** not applicable

· **Flammability (solid, gaseous)** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Not determined.

· **Explosive properties:** Product does not present an explosion hazard.

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· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidising properties	undetermined
· Vapour pressure:	Not determined.
· Density at 20 °C:	~ 1.07 g/cm ³ (ISO 2811)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible
· Segregation coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used and stored according to specifications.
- **10.2 Chemical stability** Stable under normal ambient conditions.
- **10.3 Possibility of hazardous reactions** None if used as directed.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	> 4,510 – 11,075 mg/kg
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CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	> 5,000 mg/kg (rat)
Dermal	LD50	9,500 mg/kg (rabbit)
Inhalative	LC50 (7h)	3.35 mg/l (rat)

CAS: 67953-76-8 (1-hydroxyethylidene)bisphosphonic acid, potassium salt

Oral	LD50	500 mg/kg (ATE)
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CAS: 69011-36-5 isotridecanol, ethoxylated

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	> 5,000 mg/kg (l)

CAS: 69011-36-5 isotridecanol, ethoxylated

Oral	LD50	> 300 – 2,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rabbit)

CAS: 69011-36-5 isotridecanol, ethoxylated

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

CAS: 69011-36-5 Isotridecanol, ethoxylated

Oral	LD50	> 5,000 mg/kg (rat) (OECD 401 (Lit.))
Dermal	LD50	> 2,000 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.
- **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.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 34590-94-8 (2-methoxymethylethoxy)propanol

EC50	> 969 mg/l (Aquatic plants, algae) (96 h; Scenedesmus capricornutum)
	1,919 mg/l (Aquatic invertebrates) (48 h; Daphnia)
LC50	> 10,000 mg/l (Fish) (96 h; Pimephales promelas)

CAS: 69011-36-5 isotridecanol, ethoxylated

EC50	> 1 – 10 mg/l (Aquatic plants, algae) (72 h; Desmodemus subspicatus; OECD 201)
	> 1 – 10 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LC50	> 1 – 10 mg/l (Fish) (96 h; Cyprinus carpio; OECD 203)
NOEC	1.36 mg/l (Aquatic invertebrates) (21 d; Daphnia magna; QSAR)

CAS: 69011-36-5 isotridecanol, ethoxylated

EC50	> 1 – 10 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)
LC50	> 1 – 10 mg/l (Fish) (96 h; Cyprinus carpio; OECD 203)
EC10	> 1 – 10 mg/l (Aquatic plants, algae) (72 h; Desmodemus subspicatus; OECD 201)
NOEC	2.5 mg/l (Aquatic invertebrates) (21 d; Daphnia magna; OECD 211)

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CAS: 69011-36-5 isotridecanol, ethoxylated

EC50 > 1 mg/l (Aquatic plants, algae) (72 h; Desmodemus subspicatus; OECD 201)

> 1 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)

LC50 > 1 mg/l (Fish) (96 h; Cyprinus carpio; OECD 203)

CAS: 69011-36-5 Isotridecanol, ethoxylated

EC50 > 1 – 10 mg/l (Aquatic plants, algae) (72 h; Desmodemus subspicatus; OECD 201)

> 1 – 10 mg/l (Aquatic invertebrates) (48 h; Daphnia magna; OECD 202)

LC50 > 1 – 10 mg/l (Fish) (96 h; Cyprinus carpio; OECD 203)

NOEC 1.73 mg/l (Fish) (QSAR (Lit.))

- **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.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal must be made according to official regulations.

· **Waste disposal key:**

The assignment of waste codes in accordance with European Waste Catalogue (EWC) is trade- and process-specific and has to be made in compliance with national and local regulations.

· **Uncleaned packaging:**

· **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Disposal must be made according to official regulations.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

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· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

- **Other information:** Product is for professional use only.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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**

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

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

Classification of mixtures based on ingredients of the mixture, applying calculation method of assessing health and environmental hazards

· **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)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

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The fresher company.

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GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Met. Corr. 1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

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