	Safety Data Sheet
	Subject to Regulation (EC) No1907/2006 of the European Parliament and of the Council EC 1907/2006
Version:	as amended by Council Directive (EU) 2015/830 2.0 Revision date: 1.6.2017
	date in ENG: 15.5.2015 Replacement of version: all previous versions
	Beckensteine-Toilet Pellets - CITRUS
SECTIO	ON 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
1.1	Product identifier:
	Beckensteine-Toilet Pellets - CITRUS
1.1.1	Other identifier
	Product identification number: 09254
1.2	Relevant identified uses of the substance or mixture and uses advised against:
	cleaning and deodorizing product for WC, intended for insertion in urinals / pissoires deodorizes WC rooms, blocks
	scale formation
1.3	Details of the supplier of the safety data sheet:
1.3.1	Company specification
	STYL, družstvo pro chemickou výrobu
	Václavské náměstí 831/21, 110 00 Praha 1, Czech Republic Tel. Nr. +420 315 577 600
	E-Mail: stylvd@stylvd.cz
1.3.2	Distributor:
1.3.4	Otto Oehme GmbH
	Industriestraße 20
	90584 Allersberg
	Tel. 0049 (0)9176 / 98 05 -0
	Fax 0049 (0)9176 / 98 05 -50
	info@oehme-lorito.de, www.oehme-lorito.de
1.3.2	A person qualified and responsible for safety data sheet in the Czech Republic:
	e-mail: stylvd@stylvd.cz
1.4	Emergency telephone number in the Czech Republic:
	+420 602 414 051 or Poison centre Na Bojišti 1, 128 08 Praha2,
	Phone nonstop 224 919 293, 224 915 402, or (only during the day 224 914 575)
	Information relevant in the country of distribution to be added.

# SECTION 2 HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture
2.1.1	Classification according to EU Regulation no. 1272/2008
	Skin Irrit. 2 H315
	Skin Sens. 1 H317
	Eye Dam. 1 H318
	Aquatic Chronic 2 H411
	The full text of "H-phrases" is stated in Section 16 of this Safety Data Sheet.
2.1.2	The most serious adverse physic-chemical effects
	Not known
2.1.3	The most serious adverse effects on human health
	Causes skin irritation, Causes serious eye damage. May cause an allergic skin reaction.
2.1.4	The most serious adverse effects on the environment
	Toxic to aquatic life with long lasting effects.
2.2	Label elements
2.2.1	The label elements in accordance with Regulation no. (EC) no. 1272/2008



DANGER

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

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P280 Wear protective gloves / eye protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. P501 Dispose of contents/container to a dangerous waste collection point. Contains: Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl-

and sodium hydroxide; amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl; Limonene; p-mentha-1,4(8)-diene.

Contains: 15 - < 30% anionic surfactants; 5 - < 15% nonionic surfactants; perfumes (Linalool; Limonene; Citral)</li>
 **2.3** Other hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with Annex XIII of EU Regulation 1907/2006.

# SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Hazardous substances:	Index No. EINECS. CAS No. Registration No.	Content (% ww)	Classification Classification acc. (EC) No. 1272/2008
Reaction product of Benzenesulfonic acid, 4-C10-13- sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxide	- 932-051-8 - 01-2119490234-40-xxxx	< 30	Skin Irrit. 2 H315 Eye Dam. 1, H318 Aquatic Chronic 3 H412
amides, C12-18(even-numbered) and C18(unsatd.), N-hydroxyethyl	- 292-481-0 90622-77-8 01-2119489413-33-xxxx	< 2	Skin Irrit. 2 H315 Eye Dam. 1, H318 Aquatic Chronic 2 H411
Limonene	601-029-00-7 227-813-5 5989-27-5 01-2119529223-47-xxxx	< 2,3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1 H304 Aquatic Chronic 1, H410 Aquatic Acute 1, H400
Sulfuric acids, C14-C17-sec-alkane, sodium salts	- 307-055-2 97489-15-1 01-2119489924-20-xxxx	< 2	Acute Tox 3 H312 Skin Irrit. 2 H315 Eye Dam. 1, H318 Aquatic Chronic 3 H412
p-mentha-1,4(8)-diene	- 209-578-0 586-62-9 -	< 0,2	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1 H410 (M=1)

Full text of H-phrases is described in Section 16 of this Safety Data Sheet

# SECTION 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

### 4.1.1 General information

No adverse health effects are expected under normal conditions of use. Observe all user considerations and safety measures stated on the packaging. In case of any health problem or uncertainty seek medical attention and provide information from this Material Safety Data Sheet. Unconscious persons place in the stabilized position and observe the breathing. Never give any fluids to unconscious persons.

### 4.1.2 Inhalation:

No health hazards are expected. In case of rare problems following the dust inhalation, remove the affected persons to a fresh air. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation. Call immediately medical emergency.

### 4.1.3 Eye contact:

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# 4.1.4 Skin contact:

Immediately remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Seek medical advice if the skin irritation persists.

### 4.1.5 Ingestion:

If swallowed, rinse mouth with water (only if the person is conscious) and give 0,5 l of lukewarm water. **Do not induce vomiting!** In case of spontaneous vomiting avoid aspiration of the vomits. Get medical attention and show product package, label or this Safety Data Sheet!

**4.2 Most important symptoms and effects, both acute and delayed.** Not known

**4.3** Indication of any immediate medical attention and special treatment needed In standard use immediate medical attention is not needed required only if the symptoms become more pronounced.

### SECTION 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

- 5.1.1 Suitable extinguishing media:
- water spray, foam, dry-powder, carbon dioxide
- 5.1.2 Unsuitable extinguishing media:
- water spray, foam, dry-powder, carbon dioxide
- **5.2 Special hazards arising from the substance or mixture:** Non-flammable. In case of fire: incomplete combustion and high-temp thermolysis may produce toxic, irritating and flammable decomposition products (thick black smoke, carbon monoxide, carbon dioxide and other products of organic compounds decomposition). Inhalation of decomposition (pyrolytic) can harm human health.
- 5.3 Advice for fire fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA).

### SECTION 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

### 6.1.1 For non - emergency personnel

Avoid direct contact of moist product or concentrated solution with skin, eyes and mucous membranes. Use appropriate sorbents for concentrated solutions. Do not inhale vapours or exhalants from overheated product. Use appropriate protective gloves and goggles. See Section 7 and 8 for advice on the minimum requirements for safe manipulation and personal protective equipment.

# 6.1.2 For emergency responders

See section 8

### 6.2 Environmental precautions

Stop leak if you can do so without risk. Confine the spill immediately with booms. Avoid entering soil, surface- and ground-waters, drains, cellars or other closed rooms. In case of serious leakage inform appropriate authorities.

 6.3 Methods and material for containment and cleaning up Collect mechanically appropriate containers. If the mixture was diluted and spilled, use appropriate sorbents (sand, diatomite, kaolin, vapex etc.). Collect to appropriate containers with closing covers. All containers should be appropriately labeled. If sorbents were used, these have to be handled as hazardous waste. Dispose all picked-up materials according to valid legislation (see Section 13) as hazardous waste. Clean up affected areas with lot of water.
 6.3 Reference to other sections

**6.3 Reference to other sections** Adhere to instructions in the section 8 and 13.

# SECTION 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and mucous membranes. Observe all user considerations, safety measures and exposure limits. Adhere to all personal protection and work safety regulations. Do not eat, drink or smoke during the work with the product. Avoid eating, drinking, and smoking during handling. See Section 8.2 for advice on the minimum requirements for personal protective equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original packages. Store in dry, bounded areas protected from weather, with appropriate ventilation. Product is hydroscopic, avoid humidity and contact with water before use. Keep away from direct

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7.3	sunlight, heat and ignition sources. Recommended storage temperature: 5 - 30°C. Keep out of the reach of children. Store separately from food, drinks and animal feed. <u>Note:</u> Recommended transport temperature: 5 - 30°C. Transport in closed and clean transport vehicles, protected from weather, humidity. Avoid strong impacts or dropping. Product is hydroscopic, avoid humidity and contact with water before use. <b>Specific end use(s)</b> cleaning and deodorizing product for WC sanitation				
SECTIC	ON 8 EXPOSU	RE CONTROLS / PER	SONAL PROTECTION		
8.1 8.1.1			ration of occupational exposure lim	iit values are set (C	OMMISSION
	Chemical nan		CAS Number	<b>Eight hours</b>	Short-term
-					
		king were used as basis.			
Informat 8.1.2	ion relevant in the c Values DNEL an	country of distribution to	De added		
0.1.4	Mixture values ar				
8.1.2.1		r the mixture componer	ots		
DNEL v		t the mixture componen	10		
		sulfonic acid, 4-C10-13-s	ec-alkyl. derivates and benzenesulfo	nic acid, 4-methyl-	and sodium
hydroxid				· •	
workers					
	ong-term systemic		170 mg/kg/den		
	n, long-term system	ic effects:	$12 \text{ mg/m}^3$		
	rs / general public				
	g-term systemic effe		0,85 mg/kg/den		
inhalation, long-term systemic effects:			$3 \text{ mg/m}^3$		
	ong-term systemic		85 mg/kg/den		
	<u>C12-18 and C18(un</u>	satd.), N-hydroxyethyl			
workers	ona tama avatamia	offostau	4.16 mg/log/dag		
	ong-term systemic		4,16 mg/kg/den 73,4 mg/m <sup>3</sup>		
	n, long-term system rs / general public		/ 3,4 mg/m <sup>-</sup>		
	g-term systemic effe	ects.	6,25 mg/kg/den		
	n, long-term system		$21,73 \text{ mg/m}^3$		
	ong-term systemic		2,5 mg/kg/den		
	0	alkane, sodium salts	/ <u> </u>		
workers					
	ong-term systemic		5 mg/kg/den		
	n, long-term system	ic effects:	$35 \text{ mg/m}^3$		
	rs / general public				
	g-term systemic effe		7,1 mg/kg/den		
	n, long-term system		$12,4 \text{ mg/m}^3$		
	dermal, long-term systemic effects:		3,57 mg/kg/den		
PNEC v		ulfonic acid 4 C10 12 -	an alkyl derivates and hangeness-lf-	nic acid 1 mathed	and sodium
hydroxid		<u>sunome acia, 4-C10-13-S</u>	ec-alkyl. derivates and benzenesulfo	me aciu, 4-metnyl-	and soululli
fresh wat			0,268 mg/l		
marine w			0,027 mg/l		
	t (fresh water):		8,1 mg/kg		
	t (marine water):		8,1 mg/kg		
	ntermittent release:		0,055 mg/l		
STP:			5,6 g/l		
soil:			35 mg/kg dry matter		
	C12-18 and C18(un	satd.), N-hydroxyethyl			
fresh wat			0,007 mg/l		
marine w	vater:		0,001 mg/l		
			-		

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sedimen	t (fresh water):	1,201 mg/kg
	t (marine water):	0,12 mg/kg
water - intermittent release:		0,03 mg/l
STP:		0,830 g/l
Sulfonic	acids, C14-17-sec-alkane, sodium sa	
fresh wa	ter:	0,04 mg/l
marine v	vater:	0,004 mg/l
sediment (fresh water):		9,4 mg/kg
sediment (marine water):		0,94 mg/kg
water - i	ntermittent release:	0,006 mg/l
STP:		0,6 g/l
soil:		9,4 mg/kg dry matter
8.1.3	Exposure scenarios	
	Currently not handled	
8.2	Exposure controls	
8.2.1	Annronriate engineering controls	

#### Appropriate engineering controls 8.2.1

Ensure adequate ventilation. Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation.

#### 8.2.2 Individual protection measures, such as personal protective equipment

When selecting protective equipment, the employer must ensure that relevant standards are met. To avoid any doubts, a manufacturer's delivery certificate should be available. It must be ensured that correct protective equipment is available to potential users.

#### A General hygienic and protective measures 8.2.2.1

Avoid contact with skin, eves and mucous membranes. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

#### **Respiratory protection** 8.2.2.2

Under standard usage not necessary

#### 8.2.2.3 Hand protection

Not needed when manipulating with the product originally wrapped. When manipulating with unwrapped product avoid contact with skin. Chemical-resistant gloves are always recommended

#### 8.2.2.4 Eye protection

Not needed when manipulating with the product originally wrapped. When manipulating with unwrapped product avoid contact with eyes. If contact is likely, safety glasses with side shields are recommended (EN 166).

#### 8.2.2.5 Protecting skin (the whole body)

After work, Wash hands with warm water and soap and Use suitable skin care products.

#### 8.2.3 **Environmental exposure controls**

Avoid entering sewage/canalization systems, soil, surface- and ground-waters. Observe general precautions specified in sections 6 and 12.

#### **SECTION 9** PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance: solid, wax like substance Odour according to specification: used perfume Odour Threshold Not specified 5-8 pН Melting point/freezing point information not available Boiling point/boiling range information not available Flash point information not available Evaporation rate information not available Flammability (solid, gas) not flammable Upper/lower flammability or explosive limits not explosive Vapour pressure information not available Vapour density information not available Relative density information not available Solubility In water soluble in water Partition coefficient: n-octanol/water information not available

### 9.1 Information on basic physical and chemical properties

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Auto-ignition temperature	information not available - not flammable
Decomposition temperature	information not available
Viscosity	information not available
Explosive properties	no explosive properties
Oxidising properties	no oxidative properties

### 9.2 Other information

Data not available

### SECTION 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

Under normal conditions of storage and manipulation the mixture is not reactive.

### 10.2 Chemical stability

Mixture is chemically stable under normal conditions of storage and manipulation for 36 months. Store at temperature below 50°C. Product is hydroscopic, avoid humidity and contact with water before use

### **10.3** Possibility of hazardous reactions

No known under normal conditions of storage and manipulation.

### **10.4** Conditions to avoid

Do not mix with other mixtures. The product is hydroscopic, avoid humidity and contact with water before use. Store at temperature below 50°C.

### **10.5** Incompatible materials

Not known under standard conditions. Avoid direct contact with porous or damaged surfaces, which could be pigmented by the product.

### **10.6 Hazardous decomposition products**

Material does not decompose at ambient temperatures. Overheating and thermolysis may produce dangerous carbon and sulphur/nitrogen oxides and thick smoke.

### SECTION 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects 11.1.1 Mixture For mixture relevant toxicological data are not available. The mixture was evaluated by calculation methods Acute toxicity: does not meet the classification criteria Skin corrosion/ irritation: Causes skin irritation Serious eye damage/irritation: Causes serious eye damage Skin sensitisation/ Respiratory sensitisation: May cause an allergic skin reaction. Germ cell mutagenicity: Data not available Carcinogenicity: Data not available Reproductive toxicity Data not available STOT-single exposure: does not meet the classification criteria STOT-repeated exposure: does not meet the classification criteria Aspiration hazard: does not meet the classification criteria 11.1.2 **Mixture components** reaction product of benzenesulfonic acid, 4-C10-13-sec-alkyl. derivates and benzenesulfonic acid, 4-methyl- and Sodium hydroxid > 2000 mg/kg LD50 Oral - rat: Amides, C12-18 and C18 (unsatd.), N-hydroxyethyl LD50 Oral - rat: > 5000 mg/kg LD50 Dermal - rabbit: > 2000 mg/kg Sulfonic acids, C14-17-sec-alkane, sodium salts LD50 Oral - rat: > 2000 mg/kg

### **11.3** Further information:

Contradiction between the data for components of the product and the actual effect on humans. The mixture is evaluated by conventional computational methods.

### SECTION 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

For mixture relevant toxicological data are not available. The mixture was evaluated by calculation methods **Mixture components** 

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			-C10-13-sec-alkyl. derivates	and benzenesulfonic acid, 4-methyl- and
	Sodium hydroxid		1 10	
	LC50, fishes, 96		1 - 10  mg/l	
	EC50, aquatic inv IC50, algae, 72 h		1 - 10 mg/l ( <i>Daphr</i> 10 - 100 mg/l	nia sp.)
	, ,	ind C18(unsatd.), N-hydro		
	LC50, fishes, 961	· · · · ·	10 - 100 mg/l	
	EC50, aquatic inv		10 - 100  mg/l 10 - 100  mg/l ( <i>Dap</i>	nhnia sn.)
	EC50, algae, 96 h		10 - 100  mg/l 1 - 10 mg/l	onnia sp.)
		1. 14-17-sec-alkane, sodium	U	
	LC50, fishes, 96		1 - 10 mg/l	
	EC50, aquatic inv		9,8 mg/l	
12.2	Persistence and		<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
12.2			ntained in this preparation co	omply with the biodegradability criteria as
				ort this assertion are held at the disposal of th
				to them, at their direct request or at the
		gent manufacturer.		,
12.3	Bioaccumulative	-		
	Data not available	-		
12.4	Mobility in soil			
	Data not available	e		
12.5	<b>Results of PBT a</b>	and vPvB assessments		
	Not available			
12.6	Other adverse ef	ffects		
	Not known			

### SECTION 13 DISPOSAL CONSIDIRATION

### **13.1** Waste treatment methods

It is recommended to dispose all rests in authorized dangerous waste facility. Disposal has to comply all local legal requirements on wastes.

Substance or mixture disposal methods:

Dispose in accordance with the valid waste legislation. Do not dispose as a common household waste. Dispose in a certified hazardous waste facility. According to the European Waste Catalogue waste codes are not specific for product, but for its use. Therefore, appropriate waste code should assign final user according to his specific use. Empty packages wash carefully with water and recycle.

13.1.2 Recommended waste classification

### 13.1.3.1 Mixture

Proposed waste classification, based on common use: Waste catalog code: 16 03 05
13.1.3.2 Packaging Proposed waste classification, based on common use:

Waste catalog code: 15 01 10

### SECTION 14 TRANSPORT INFORMATION

14.1	UN number	UN 3077				
14.2	UN proper shipping name	ENVIROMENTALLY HAZARDOUS SUBSTANCE,				
		SOLID, N.O.S (Limonene; amides, C12-18(even-				
		numbered) and C18(unsatd.), N-hydroxyethyl)				
14.3	Transport hazard class (es)	9				
14.4	Packing group	III				
14.5	Environmental hazards	yes				
14.6	Special precautions for users	Data not available				
14.7	Transport in bulk according to Annex II MARPOL and	Data not available				
IBC Code						
14.8 Special provision 375						

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nded by	Council	Directive	(EU)	2015/83	0

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These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 51 or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

#### **SECTION 15 REGULATORY INFORMATION**

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

Regulation (EC) No1907/2006 of the European Parliament and of the Council of 18. December 2006 on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH

Regulation EC No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

The European Agreement Concerning the International carriage of dangerous goods by road (Agreement ADR)

NOTE: The stated regulatory information only indicate basic regulations described in this safety data sheet. Please note the possible existence of additional legislation complementing these regulations. Refer to all applicable national, international and local regulations and directives.

#### 15.2 Chemical safety assessment Not carried out yet

#### **OTHER INFORMATION SECTION 16**

### 16.1 Full text of H phrases according to Regulation EU 1272/2008 H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 16.2 Advice on any training appropriate for workers Common training for handling hazardous chemicals and mixtures, occupational safety training. Persons manipulating with the product have to understand all information given in the Safety Data Sheet, use of individual protection measures, first aid measures and sanitation processes. Observe all user considerations a safety measures for manipulation with chemicals. Information on sources of data used in the compilation of the Safety Data Sheet 16.3 Safety Data Sheet (SDS) contains information on safety use, occupational health protection, and environmental

protection. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above and complies with valid legislation. This particular information cannot be considered as a warranty for appropriateness and usability of the product for any particular application.

#### 16.4 Changes made to the previous version of the safety data sheet

It replaces all previous versions