



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

Date of issue: 05/05/2016

Revision date: 05/05/2016

:

Version: 1.1

WWW.CALFARME.COM

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

1.1. Product identifier

Product form : Mixture
Name : BIO TABS Urinal Drain Maintainer/Deodorizer
Product code : BS-100, BS-110SD, BD-120SD, BD-160MD, BS-130SD, BS-160MD, BS-200BD

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

1.2.1. Relevant identified uses

Main use category : Consumer use, Professional use
Use of the substance/mixture : Toilet Deodorizer, Drain Maintainer
Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Calfarme (Singapore) Pte Ltd
AMK Techlink
20 Ang Mo Kio Industrial Park 2A 06-18
Singapore 567761
Republic of Singapore
Email: sales@calfarme.com.sg Web: www.calfarme.com.sg

Telephone: +65 6556 4111

Distributor:

Calfarme Products Sdn Bhd
45 & 47 Jalan Tabla 33/21
Shah Alam Technology Park
Seksyen 33 40400 Shah Alam
Selangor Darul Ehsan Malaysia
Email: sales@calfarme.com.my Web: www.calfarme.com.my

Telephone: +60 3 5122 2700

Calfarme Australia Pty Ltd
P.O Box 678, Kingsgrove NSW 1480
Unit 4/238 Berkeley Street, Unanderra NSW 2526
Tel: 1300 649088
Email: sales@calfarme.com.au Web: www.calfarme.com.au

Telephone: +61 (2) 9153 0677

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)	
Australia	NSW Poisons Information Centre Childrens Hospital Westmead	Hawkesbury Road Sydney	+61 2 9845 3969 131126	
New Zealand	National Poisons Centre New Zealand	Dunedin School of Medicine University of Otago PO Box 913 Dunedin 9054	0800 POISON (0800 764 766) 24 hours a day, 7 days a week	



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

Country	Organisation/Company	Address	Emergency number	Comment
Singapore	Drug & poison information centre	Block 1 Basement 1, c/o Department of Emergency Medicine, Singapore General Hospital Outram Road 169608 Singapore	6423 9119	
Malaysia	National Poisons Centre / WHO Collaborating Centre for drug Information Western- Pacific Region	c/o Universiti Sains Malaysia Penang	1 800 88 90 99 +604 567 0099	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Signal word (CLP)	:	-
Hazard statements (CLP)	:	H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	:	P273 - Avoid release to the environment P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
EUH-statements	:	EUH208 - Contains (R)-p-mentha-1,8-diene, d-limonene(5989-27-5), citronellol(106-22-9), linalol(78-70-6), nerol(106-25-2), tetramethyl acetyloctahydronaphthalenes(54464-57-2), alpha-hexylcinnamaldehyde(101-86-0), geraniol(106-24-1), 2-(4-tert-butylbenzyl)propionaldehyde(80-54-6), coumarin(91-64-5). May produce an allergic reaction

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
starch substance with national workplace exposure limit(s) (BE, ES, GB, GR, IT, PT)	(CAS No) 9005-25-8 (EC no) 232-679-6	5 - 15	Not classified
citric acid, monohydrate	(CAS No) 5949-29-1 (EC no) 201-069-1	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319
(R)-p-mentha-1,8-diene, d-limonene	(CAS No) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7	0,1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
citronellol	(CAS No) 106-22-9 (EC no) 203-375-0	0,1 - 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

linalol	(CAS No) 78-70-6 (EC no) 201-134-4	0,1 - 1	Eye Irrit. 2, H319 Skin Sens. 1, H317
nerol	(CAS No) 106-25-2 (EC no) 203-378-7	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
tetramethyl acetyloctahydronaphthalenes	(CAS No) 54464-57-2 (EC no) 259-174-3	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
alpha-hexylcinnamaldehyde	(CAS No) 101-86-0 (EC no) 202-983-3	< 1	Skin Irrit. 2, H315 Skin Sens. 1, H317
geraniol	(CAS No) 106-24-1 (EC no) 203-377-1	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	(CAS No) 1222-05-5 (EC no) 214-946-9 (REACH-no) 01-2119488227-29	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
hexyl salicylate	(CAS No) 6259-76-3 (EC no) 228-408-6	< 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-(4-tert-butylbenzyl)propionaldehyde	(CAS No) 80-54-6 (EC no) 201-289-8	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361f Aquatic Chronic 2, H411
coumarin	(CAS No) 91-64-5 (EC no) 202-086-7	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373
propan-2-ol, isopropyl alcohol, isopropanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, LT, LV, PL, PT, RO, SE)	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25-XXXX	< 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
citral substance with national workplace exposure limit(s) (ES, IT, PL, PT)	(CAS No) 5392-40-5 (EC no) 226-394-6 (EC index no) 605-019-00-3	< 0,1	Skin Irrit. 2, H315 Skin Sens. 1, H317
2,6-di-tert-butyl-p-cresol substance with national workplace exposure limit(s) (AT, BE, BG, DE, DK, ES, FI, FR, GB, GR, IE, IT, PT)	(CAS No) 128-37-0 (EC no) 204-881-4 (REACH-no) 01-2119565113-46-XXXX	< 0,1	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
cineole(=1,8-cineole) substance with national workplace exposure limit(s) (BE)	(CAS No) 470-82-6 (EC no) 207-431-5	< 0,1	Flam. Liq. 3, H226
alpha-pinene substance with national workplace exposure limit(s) (BE, ES, IT, LT, PT, SE)	(CAS No) 80-56-8 (EC no) 201-291-9	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

starch (9005-25-8)		
Belgium	Local name	Amidon
Belgium	Limit value (mg/m ³)	10 mg/m ³
Greece	OEL TWA (mg/m ³)	10 mg/m ³
Portugal	Local name	Amido
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Spain	Local name	Almidón
Spain	VLA-ED (mg/m ³)	10 mg/m ³
United Kingdom	Local name	Starch
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ Starch total inhalable; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005); Starch respirable; 4 mg/m ³ ; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
Switzerland	Local name	Amidon
Switzerland	VME (mg/m ³)	3 mg/m ³
Australia	Local name	Starch
Australia	TWA (mg/m ³)	10 mg/m ³
Australia	Remark (AU)	(a)



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

starch (9005-25-8)		
USA - ACGIH	Local name	Starch
USA - ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
USA - ACGIH	Remark (ACGIH)	Dermatitis
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
Austria	Local name	2-Propanol Kurzzeitwert für Großguss
Austria	MAK (mg/m ³)	500 mg/m ³
Austria	MAK (ppm)	200 ppm
Austria	MAK Short time value (mg/m ³)	2000 mg/m ³
Austria	MAK Short time value (ppm)	800 ppm
Belgium	Local name	Alcool isopropylique
Belgium	Limit value (mg/m ³)	500 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	1000 mg/m ³
Belgium	Short time value (ppm)	400 ppm
Bulgaria	Local name	Изопропилов алкохол
Bulgaria	OEL TWA (mg/m ³)	980 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	1225 mg/m ³
Croatia	Local name	Propan-2-ol; (izopropil-alkohol; izopropanol)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	999 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	1250 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	500 ppm
Croatia	Naznake (HR)	F, Xi
Czech Republic	Local name	iso-Propanol
Czech Republic	Expoziční limity (PEL) (mg/m ³)	500 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	204 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	1000 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	410 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	Isopropylalkohol (2005)
Denmark	Grænseværdie (langvarig) (mg/m ³)	490 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	Local name	2-propanool (isopropüülalkohol, isopropanool)
Estonia	OEL TWA (mg/m ³)	350 mg/m ³
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m ³)	600 mg/m ³
Estonia	OEL STEL (ppm)	250 ppm
Finland	Local name	2-Propanoli
Finland	HTP-arvo (8h) (mg/m ³)	500 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	620 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	Local name	Alcool isopropylique
France	VLE (mg/m ³)	980 mg/m ³
France	VLE (ppm)	400 ppm
Germany	Local name	Propan-2-ol
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	500 mg/m ³



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm
Germany	Remark (TRGS 900)	DFG,Y
Greece	OEL TWA (mg/m ³)	980 mg/m ³
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m ³)	1225 mg/m ³
Greece	OEL STEL (ppm)	500 ppm
Hungary	Local name	IZOPROPIL-ALKOHOL
Hungary	AK-érték	500 mg/m ³
Hungary	CK-érték	2000 mg/m ³
Hungary	Megjegyzések (HU)	b, i; II.1.
Ireland	Local name	Isopropyl alcohol
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Ireland	Notes (IE)	Sk
Latvia	Local name	Izopropanols (2-propanols, izopropilspirts, 1-metil-1-etanols)
Latvia	OEL TWA (mg/m ³)	350 mg/m ³
Latvia	OEL STEL (mg/m ³)	600 mg/m ³
Lithuania	Local name	2-propanolis (izopropanolis, izopropilo alkoholis)
Lithuania	IPRV (mg/m ³)	350 mg/m ³
Lithuania	IPRV (ppm)	150 ppm
Lithuania	TPRV (mg/m ³)	600 mg/m ³
Lithuania	TPRV (ppm)	250 ppm
Poland	Local name	Propan-2-ol (izopropylowy alkohol)
Poland	NDS (mg/m ³)	900 mg/m ³
Poland	NDSch (mg/m ³)	1200 mg/m ³
Portugal	Local name	2-Propanol (isopropanol ou álcool isopropílico)
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Romania	Local name	Alcool izopropilic
Romania	OEL TWA (mg/m ³)	200 mg/m ³
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m ³)	500 mg/m ³
Romania	OEL STEL (ppm)	203 ppm
Slovenia	Local name	propan-2-ol (izopropilalkohol; izopropanol)
Slovenia	OEL TWA (mg/m ³)	500 mg/m ³
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m ³)	2000 mg/m ³
Slovenia	OEL STEL (ppm)	800 ppm
Spain	Local name	Isopropanol (Alcohol isopropílico)
Spain	VLA-ED (mg/m ³)	500 mg/m ³
Spain	VLA-ED (ppm)	200 ppm
Spain	VLA-EC (mg/m ³)	1000 mg/m ³
Spain	VLA-EC (ppm)	400 ppm



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
Spain	Notes	(2011), VLB® (Agente químico que tiene Valor Límite Biológico específico en este documento.), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para unainformación detallada acerca de las prohibiciones consúltese:Base de datos de productos biocidas:htthttp://www.msssi.gob.es/ciudadanos/produ ctos.do?tipo=plaguicidasBase de datos de productos fitosanitarios:http://www.magrama.gob.es/agricultura/p ags/fitos/registro/fichas/pdf/Lista_sa.pdf)
Sweden	Local name	Isopropanol
Sweden	nivågränsvärde (NVG) (mg/m³)	350 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	600 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m³)	999 mg/m³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m³)	1250 mg/m³
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	Local name	2-Propanol
Norway	Grenseverdier (AN) (mg/m³)	245 mg/m³
Norway	Grenseverdier (AN) (ppm)	100 ppm
Switzerland	Local name	2-Propanol
Switzerland	VME (mg/m³)	500 mg/m³
Switzerland	VME (ppm)	200 ppm
Switzerland	VLE (mg/m³)	1000 mg/m³
Switzerland	VLE (ppm)	400 ppm
Switzerland	Remark (CH)	4x15
Australia	Local name	Isopropyl alcohol
Australia	TWA (mg/m³)	983 mg/m³
Australia	TWA (ppm)	400 ppm
Australia	STEL (mg/m³)	1230 mg/m³
Australia	STEL (ppm)	500 ppm
USA - ACGIH	Local name	2-Propanol
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	400 ppm
USA - ACGIH	Remark (ACGIH)	Eye & URT irr; CNS impair
USA - OSHA	Local name	Isopropyl alcohol
USA - OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)		
Belgium	Limit value (ppm)	20 ppm (Essence de térébenthine et monoterpènes sélectionnés; Belgium; Time-weighted average exposure limit 8 h)
Finland	Local name	D-Limoneeni
Finland	HTP-arvo (8h) (mg/m³)	140 mg/m³
Finland	HTP-arvo (8h) (ppm)	25 ppm
Finland	HTP-arvo (15 min)	280 mg/m³
Finland	HTP-arvo (15 min) (ppm)	50 ppm
Germany	Local name	(R)-p-Mentha-1,8-dien (D-Limonen)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	28 mg/m³



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	5 ppm
Germany	Remark (TRGS 900)	H,Sh,Y,DFG
Norway	Local name	d-Limonen
Norway	Grenseverdier (AN) (mg/m ³)	140 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Merknader (NO)	A
Switzerland	Local name	D-Limonène
Switzerland	VME (mg/m ³)	110 mg/m ³
Switzerland	VME (ppm)	20 ppm
Switzerland	VLE (mg/m ³)	220 mg/m ³
Switzerland	VLE (ppm)	40 ppm
Switzerland	Remark (CH)	4x15
cineole(=1,8-cineole) (470-82-6)		
Belgium	Limit value (mg/m ³)	10 mg/m ³ (Huiles végétales (brouillards); Belgium; Time-weighted average exposure limit 8 h)
citral (5392-40-5)		
Poland	Local name	3,7-Dimetylookta-2,6-dienal (cytral)
Poland	NDS (mg/m ³)	27 mg/m ³
Poland	NDSch (mg/m ³)	54 mg/m ³
Spain	Local name	Citral
Spain	VLA-ED (ppm)	5 ppm
Spain	Notes	(2013), Vía dérmica: (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento.), Sen (Sensibilizante. Véase Apartado 6.), FIV (Fracción inhalable y vapor. La notación FIV señala a aquellos agentes químicos que se pueden presentar en el ambiente de trabajo, tanto en forma de materia particulada como vapor, por lo que las dos fases pueden coexistir, contribuyendo ambas a la exposición. Esta situación se puede dar, principalmente, en los siguientes casos:• Cuando el agente en cuestión tiene un valor "intermedio" de presión de vapor (en estos casos se tiene en cuenta la relación entre su concentración en el aire saturado de vapor y el valor del VLA-ED® y la nota se asigna, generalmente, cuando el cociente entre ambas cantidades se encuentra entre 0.1 y 10)• Por razón de la forma de uso del agente químico (por ejemplo, pulverización)• En los procesos que conlleven cambios importantes de temperatura que puedan afectar al estado físico del agente químico• En los procesos en los que una fracción significativa del vapor puede disolverse o adsorberse en las partículas de otra sustancia, a semejanza de lo que ocurre con los agentes solubles en agua en ambientes con humedad elevada. Para mayor información, véase C. Perez and S. C. Soderholm. Some chemicals requiring special consideration when deciding whether to sample the particle, vapor, or both phases of an atmosphere. Appl. Occup. Environ. Hyg. 6 (10), 859-864. 1991.)
USA - ACGIH	Local name	Citral
USA - ACGIH	ACGIH TWA (ppm)	5 ppm



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

citral (5392-40-5)		
USA - ACGIH	Remark (ACGIH)	Body weight eff; URT irr; eye dam; Skin; DSEN; A4
2,6-di-tert-butyl-p-cresol (128-37-0)		
Austria	Local name	2,6-Di-tert-butyl-p-kresol
Austria	MAK (mg/m³)	10 mg/m³
Belgium	Local name	2,6-Di-tert-butyl-p-crésol (vapeur et aérosol)
Belgium	Limit value (mg/m³)	2 mg/m³
Bulgaria	Local name	Дибутилпаракрезол
Bulgaria	OEL TWA (mg/m³)	10 mg/m³
Bulgaria	OEL STEL (mg/m³)	50 mg/m³
Croatia	Local name	2,6-Di-tert-butyl-p-krezol
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	10 mg/m³
Denmark	Local name	2,6-Di-tert-butyl-p-cresol (1994)
Denmark	Grænseværdie (langvarig) (mg/m³)	10 mg/m³
Finland	Local name	2,6-Di-tert-butyli-p-kresoli
Finland	HTP-arvo (8h) (mg/m³)	10 mg/m³
Finland	HTP-arvo (15 min)	20 mg/m³
France	Local name	2,6-Di-tert-butyl-p-crésol
France	VME (mg/m³)	10 mg/m³
Germany	Local name	2,6-Di-tert-butyl-p-kresol
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	10 mg/m³
Greece	OEL TWA (mg/m³)	10 mg/m³
Ireland	Local name	2,6-Ditertiary-butyl-para- cresol
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Portugal	Local name	Hidroxitoluenobutilado (2,6-Di-terc-butyl-p-cresol) (BHT)
Portugal	OEL TWA (mg/m³)	2 mg/m³
Slovenia	Local name	2,6-di-terc-butyl-p-krezol
Slovenia	OEL TWA (mg/m³)	10 mg/m³
Spain	Local name	2,6-Diterc-butyl-p-cresol
Spain	VLA-ED (mg/m³)	10 mg/m³
Spain	Notes	2014
United Kingdom	Local name	2,6-Di-tert-butyl-p-cresol
United Kingdom	WEL TWA (mg/m³)	10 mg/m³
Iceland	Local name	2,6-Di-tert-bútýl-p -kresól (bútýlhýdroxýtólúen)
Iceland	OEL (8 hours ref) (mg/m³)	10 mg/m³
Switzerland	Local name	2,6-Di-tert-butyl-4-crésol
Switzerland	VME (mg/m³)	10 mg/m³
Australia	Local name	2,6-Di-tert-butyl-p-cresol
Australia	TWA (mg/m³)	10 mg/m³
USA - ACGIH	Local name	Butylated hydroxytoluene
USA - ACGIH	ACGIH TWA (mg/m³)	2 mg/m³
USA - ACGIH	Remark (ACGIH)	URT irr
alpha-pinene (80-56-8)		
Belgium	Local name	Essence de térébenthine et monoterpènes sélectionnés
Belgium	Limit value (ppm)	20 ppm
Lithuania	Local name	□-pinenas (terpenai)□
Lithuania	IPRV (mg/m³)	150 mg/m³
Lithuania	IPRV (ppm)	25 ppm
Lithuania	TPRV (mg/m³)	300 mg/m³



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

alpha-pinene (80-56-8)		
Lithuania	TPRV (ppm)	50 ppm
Portugal	Local name	Terebentina, e monoterpenos específicos
Portugal	OEL TWA (ppm)	20 ppm
Spain	Local name	α-pineno
Spain	VLA-ED (mg/m ³)	113 mg/m ³
Spain	VLA-ED (ppm)	20 ppm
Spain	Notes	2011
Sweden	Local name	α-Pinene (cf. Terpenes)
Sweden	nivågränsvärde (NVG) (mg/m ³)	150 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	25 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	300 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	50 ppm
Norway	Local name	α-Pinen
Norway	Grenseverdier (AN) (mg/m ³)	140 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Merknader (NO)	H
USA - ACGIH	ACGIH TWA (ppm)	20 ppm (Turpentine and selected monoterpenes; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: Blue
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: No data available



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

citric acid, monohydrate (5949-29-1)	
LD50 oral rat	3000 mg/kg (Rat; Literature study)
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
starch (9005-25-8)	
LD50 oral rat	> 2000 mg/kg (Rat)
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 dermal rabbit	12870 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 16.4; Rabbit)
LC50 inhalation rat (mg/l)	73 mg/l/4h (Rat)
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg bodyweight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
citronellol (106-22-9)	
LD50 oral rat	3450 mg/kg (Rat; Inconclusive, insufficient data)
LD50 dermal rabbit	2650 mg/kg (Rabbit; Inconclusive, insufficient data)
linalol (78-70-6)	
LD50 oral rat	2790 mg/kg (Rat)
LD50 dermal rat	5610 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
geraniol (106-24-1)	
LD50 oral rat	3600 mg/kg bodyweight (Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Experimental value)
nerol (106-25-2)	
LD50 oral rat	4500 mg/kg



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

nerol (106-25-2)	
LD50 dermal rabbit	> 5000 mg/kg
tetramethyl acetyloctahydronaphthalenes (54464-57-2)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
alpha-hexylcinnamaldehyde (101-86-0)	
LD50 oral rat	3100 mg/kg (Rat)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
hexyl salicylate (6259-76-3)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LD50 oral rat	1390 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
coumarin (91-64-5)	
LD50 oral rat	300 - 900 mg/kg (Rat)
cineole(=1,8-cineole) (470-82-6)	
LD50 oral rat	2480 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
citral (5392-40-5)	
LD50 oral rat	4960 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	2250 mg/kg (Rabbit)
2,6-di-tert-butyl-p-cresol (128-37-0)	
LD50 oral rat	890 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >6000 mg/kg bodyweight; Rat)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; >2000 mg/kg bodyweight; Rat; Experimental value)
alpha-pinene (80-56-8)	
LD50 oral rat	3700 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

citric acid, monohydrate (5949-29-1)	
LC50 fish 2	440-760, LC50; 96 h; Pisces
EC50 Daphnia 2	120 mg/l (EC50; 72 h; Daphnia magna)
Threshold limit algae 2	640 mg/l (EC0; 168 h; Scenedesmus quadricauda)



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LC50 fish 2	9640 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 2	13299 mg/l (EC50; Other; 48 h; Daphnia magna)
Threshold limit algae 1	> 1000 mg/l (EC50; UBA; 72 h; Scenedesmus subspicatus)
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
LC50 fish 1	720 µg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	0,36 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	150 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)
citronellol (106-22-9)	
LC50 fish 1	> mg/l >10 <22, LC50; 96 h
EC50 Daphnia 1	17 mg/l (EC50; 48 h)
Threshold limit algae 1	2,4 mg/l (EC50; 72 h)
linalol (78-70-6)	
LC50 fish 2	27,8 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri)
EC50 Daphnia 1	59 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna)
EC50 other aquatic organisms 1	>= 100 mg/l (3 h; Activated sludge)
Threshold limit algae 1	88,3 mg/l (EC50; 96 h)
geraniol (106-24-1)	
LC50 fish 1	> 9,8 mg/l (LC50; 96 h)
tetramethyl acetyloctahydronaphthalenes (54464-57-2)	
LC50 fish 1	96h 1,3 mg/l OECD 2003
LC50 other aquatic organisms 1	24h > 2,6 mg/l Algae: OECD 201
EC50 Daphnia 1	48h 1,38 mg/l OECD 202
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
LC50 fish 1	> mg/l >2.2/4.6, LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio
EC50 Daphnia 1	10,7 mg/l (EC50; 48 h)
coumarin (91-64-5)	
LC50 fish 1	56 mg/l (LC50; 96 h)
EC50 Daphnia 1	135 mg/l (EC50; 48 h)
cineole(=1,8-cineole) (470-82-6)	
LC50 fish 1	102 mg/l (LC50; 96 h)
2,6-di-tert-butyl-p-cresol (128-37-0)	
LC50 fish 1	>= 0,57 mg/l (LC0; EU Method C.1; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
LC50 fish 2	0,199 mg/l (LC50; ECOSAR v1.00; 96 h; Pisces)
EC50 Daphnia 1	0,48 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
EC50 Daphnia 2	0,15 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
alpha-pinene (80-56-8)	
LC50 fish 1	0,28 mg/l (LC50; 96 h)
EC50 Daphnia 1	41 mg/l (LC50; 48 h)

12.2. Persistence and degradability

citric acid, monohydrate (5949-29-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. No (test) data available on mobility of the substance.
Biochemical oxygen demand (BOD)	0,481 g O ₂ /g substance
Chemical oxygen demand (COD)	0,665 g O ₂ /g substance



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

citric acid, monohydrate (5949-29-1)	
BOD (% of ThOD)	0,889 (20 days)
starch (9005-25-8)	
Persistence and degradability	Biodegradable in water.
ThOD	1,18 g O ₂ /g substance
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Biodegradable in soil in anaerobic condition. No (test)data available on mobility of the substance. Not established.
Biochemical oxygen demand (BOD)	1,19 g O ₂ /g substance
Chemical oxygen demand (COD)	2,23 g O ₂ /g substance
ThOD	2,40 g O ₂ /g substance
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water. Forming sediment in water. Adsorbs into the soil.
ThOD	3,29 g O ₂ /g substance
citronellol (106-22-9)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2,050 g O ₂ /g substance
ThOD	2,961 g O ₂ /g substance
linalol (78-70-6)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1,531 g O ₂ /g substance
Chemical oxygen demand (COD)	2,808 g O ₂ /g substance
geraniol (106-24-1)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2,9 g O ₂ /g substance
alpha-hexylcinnamaldehyde (101-86-0)	
Persistence and degradability	Readily biodegradable in water.
hexyl salicylate (6259-76-3)	
ThOD	2,36 g O ₂ /g substance
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Persistence and degradability	Readily biodegradable in water.
coumarin (91-64-5)	
Persistence and degradability	Readily biodegradable in water. Photolysis in the air.
cineole(=1,8-cineole) (470-82-6)	
Persistence and degradability	Not readily biodegradable in water.
citral (5392-40-5)	
Persistence and degradability	Readily biodegradable in water. Forming sediment in water. Ozonation in the air. Photodegradation in the air.
2,6-di-tert-butyl-p-cresol (128-37-0)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in soil. Adsorbs into the soil. Low potential for Mobility in soil. Photooxidation in the air.
Biochemical oxygen demand (BOD)	0,51 g O ₂ /g substance
Chemical oxygen demand (COD)	2,27 g O ₂ /g substance
ThOD	2,977 g O ₂ /g substance
BOD (% of ThOD)	0,17



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

alpha-pinene (80-56-8)	
Persistence and degradability	Not readily biodegradable in water. Forming sediment in water. Adsorbs into the soil. Photodegradation in the air.
12.3. Bioaccumulative potential	
citric acid, monohydrate (5949-29-1)	
Log Pow	-1,72 (Experimental value)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
starch (9005-25-8)	
Bioaccumulative potential	Bioaccumulation: No data available.
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Log Pow	0,05 (Weight of evidence approach; Other; 25 °C)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4). Not established.
(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)	
BCF fish 1	864,8 - 1022 (BCF; Pisces)
Log Pow	4,38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)
Bioaccumulative potential	Potential for bioaccumulation ($4 \geq \text{Log Kow} \leq 5$).
citronellol (106-22-9)	
Log Pow	3,41 - 3,91
linalol (78-70-6)	
Log Pow	2,84 - 3,145
Bioaccumulative potential	bioaccumulable.
geraniol (106-24-1)	
Bioaccumulative potential	Bioaccumulation: No data available.
alpha-hexylcinnamaldehyde (101-86-0)	
BCF other aquatic organisms 1	3120 (BCF)
Log Pow	4,7
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$).
2-(4-tert-butylbenzyl)propionaldehyde (80-54-6)	
Log Pow	4,3
coumarin (91-64-5)	
BCF fish 1	< 10 (BCF; 72 h)
BCF other aquatic organisms 1	42 (BCF; 24 h; Chlorella sp.)
Log Pow	1,39
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).
cineole(=1,8-cineole) (470-82-6)	
Log Pow	1,84 (Calculated)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).
citral (5392-40-5)	
Log Pow	2,76 - 3,45 (Estimated value)
Bioaccumulative potential	bioaccumulable.
2,6-di-tert-butyl-p-cresol (128-37-0)	
BCF fish 1	230 - 2500 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 56 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)
Log Pow	5,1 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ($500 \leq \text{BCF} \leq 5000$).
alpha-pinene (80-56-8)	
BCF fish 1	718 (BCF)
Log Pow	4,83 (Experimental value)
Bioaccumulative potential	bioaccumulable.

12.4. Mobility in soil



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

Surface tension 0,021 N/m (25 °C)

(R)-p-mentha-1,8-diene, d-limonene (5989-27-5)

Log Koc Koc, SRC PCKOCWIN v2.0; 1120 - 6324; QSAR

2,6-di-tert-butyl-p-cresol (128-37-0)

Log Koc Koc, PCKOCWIN v1.66; 23030; Calculated value; log Koc; PCKOCWIN v1.66; 4.362; Calculated value

Ecology - soil May be harmful to plant growth, blooming and fruit formation.

alpha-pinene (80-56-8)

Ecology - soil May be harmful to plant growth, blooming and fruit formation.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	propan-2-ol, isopropyl alcohol, isopropanol - (R)-p-mentha-1,8-diene, d-limonene - citronellol - linalol - nerol - tetramethyl acetyloctahydronaphthalenes - alpha-hexylcinnamaldehyde - geraniol - 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran - hexyl salicylate - 2-(4-tert-butylbenzyl)propionaldehyde - citral - cineole(=1,8-cineole) - alpha-pinene
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	propan-2-ol, isopropyl alcohol, isopropanol - (R)-p-mentha-1,8-diene, d-limonene - cineole(=1,8-cineole) - alpha-pinene
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	propan-2-ol, isopropyl alcohol, isopropanol - (R)-p-mentha-1,8-diene, d-limonene - citronellol - linalol - nerol - tetramethyl acetyloctahydronaphthalenes - alpha-hexylcinnamaldehyde - geraniol - hexyl salicylate - 2-(4-tert-butylbenzyl)propionaldehyde - citral - alpha-pinene
3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	(R)-p-mentha-1,8-diene, d-limonene - citronellol - tetramethyl acetyloctahydronaphthalenes - 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran - hexyl salicylate - 2-(4-tert-butylbenzyl)propionaldehyde - alpha-pinene



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

propan-2-ol, isopropyl alcohol, isopropanol - (R)-p-mentha-1,8-diene, d-limonene - cineole(=1,8-cineole) - alpha-pinene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : starch is listed
SZW-lijst van mutagene stoffen : starch is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Recommendations Danish Regulation : Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation



BIO TABS Urinal Drain Maintainer/Deodorizer

Safety Data Sheet

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

WWW.CALFARME.COM

H336	May cause drowsiness or dizziness
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
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
EUH208	Contains . May produce an allergic reaction

SDS EU Mod H F (REACH ANNEX II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.