



# Keratex Frog Disinfectant

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 14/05/2015

Revision date: 14/05/2015

Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Name : Keratex Frog Disinfectant  
Product code : KFD 11335

#### 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 : A topical application to improve frogs in equine hooves

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Keratex Hoofcare - Penleigh Irving Ltd  
25 Fairwood Road  
Dilton Marsh  
Westbury  
Wiltshire  
BA13 3SN

Tel: +44 (0) 1373 827649

Email: [info@keratex.com](mailto:info@keratex.com)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
UNITED STATES	National Capital Poison Control Center	<a href="http://www.poison.org/actfast/1800.asp">http://www.poison.org/actfast/1800.asp</a>	911 OR 1-800-222-1222
CANADA	Canadian Association of Poison Control Centres	<a href="http://www.capcc.ca">http://www.capcc.ca</a>	911

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

Full text of H-statements: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11

Xi; R36

R66

R67

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02



GHS07

Signal word (CLP) : Danger

Hazardous ingredients : acetone



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Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 - Keep container tightly closed P240 - Ground/bond container and receiving equipment P241 - Use explosion-proof electrical, lighting, ventilating equipment P261 - Avoid breathing fume, vapours, mist, spray P264 - Wash hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking

### 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 Directive 67/548/EEC
acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8	>= 80	F; R11 Xi; R36 R66 R67
tea tree oil	(CAS No) 68647-73-4	1 - 5	Xn; R22 Xi; R36/38

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8	>= 80	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
tea tree oil	(CAS No) 68647-73-4	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Repeated exposure may cause skin dryness or cracking.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Rinse eyes with water as a precaution. Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Dry/sore throat. Risk of aspiration pneumonia. Symptoms similar to those listed under inhalation. AFTER ABSORPTION OF HIGH QUANTITIES: Irritation of the gastric/intestinal mucosa. Change in the haemogramme/blood composition. Change in urine output. Affection of the renal tissue. Enlargement/affection of the liver.



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### 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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.  
Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing fume, vapours.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if substance enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.  
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing fume, Vapours.  
Hygiene measures : Wash Skin thoroughly after handling.

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

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof Flame proof, lighting, electrical equipment and ventilation equipment.  
Storage conditions : Keep in fireproof place. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from : Direct sunlight, Heat and ignition sources.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

acetone (67-64-1)		
EU	Local name	Acetone



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acetone (67-64-1)		
EU	IOELV TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	500 ppm
Austria	Local name	Aceton
Austria	MAK (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Austria	MAK (ppm)	500 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	4800 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Local name	Acétone
Belgium	Limit value (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	500 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	2420 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	1000 ppm
Bulgaria	Local name	Ацетон•
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	1400 mg/m <sup>3</sup>
Croatia	Local name	Aceton
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	500 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	3620 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	1500 ppm
Croatia	Naznake (HR)	F, Xi EU*
Czech Republic	Local name	Aceton
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (ppm)	337 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	1500 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (ppm)	632 ppm
Denmark	Local name	Acetone
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	250 ppm
Denmark	Anmærkninger (DK)	E
Estonia	Local name	Atsetoon (2-propanoon)
Estonia	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	500 ppm
France	Local name	Acétone
France	VME (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
France	VME (ppm)	500 ppm
France	VLE (mg/m <sup>3</sup> )	2420 mg/m <sup>3</sup>
France	VLE (ppm)	1000 ppm
Germany	Local name	Aceton
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm
Germany	Remark (TRGS 900)	DFG,EU
Greece	OEL TWA (mg/m <sup>3</sup> )	1780 mg/m <sup>3</sup>
Greece	OEL STEL (mg/m <sup>3</sup> )	3560 mg/m <sup>3</sup>
Hungary	Local name	ACETON
Hungary	AK-érték	1210 mg/m <sup>3</sup>
Hungary	CK-érték	2420 mg/m <sup>3</sup>
Hungary	Megjegyzések (HU)	i; EU1
Ireland	Local name	Acetone



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acetone (67-64-1)		
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	500 ppm
Ireland	Notes (IE)	IOELV
Italy	Local name	Acetone
Italy	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	500 ppm
Latvia	Local name	Acetons (2-propanons, dimetilketons)
Latvia	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	500 ppm
Lithuania	Local name	Acetonas
Lithuania	IPRV (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	2420 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	1000 ppm
Luxembourg	Local name	Acétone
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Luxembourg	OEL TWA (ppm)	500 ppm
Malta	Local name	Acetone
Malta	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	500 ppm
Netherlands	Local name	Aceton
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	Aceton,501 ppm; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	2420 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)	Aceton,1002 ppm; Netherlands; Short time value; Public occupational exposure limit value
Poland	Local name	Aceton
Poland	NDS (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
Portugal	Local name	Acetona
Portugal	OEL TWA (ppm)	500 ppm
Portugal	OEL STEL (ppm)	750 ppm
Romania	Local name	Acetona
Romania	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	500 ppm
Slovenia	Local name	aceton
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	500 ppm
Sweden	Local name	Acetone
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	250 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	500 ppm
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1210 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	3620 mg/m <sup>3</sup>



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acetone (67-64-1)		
United Kingdom	WEL STEL (ppm)	1500 ppm
Iceland	Local name	Aseton (2-própanón)
Iceland	OEL (8 hours ref) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Iceland	OEL (8 hours ref) (ppm)	250 ppm
Norway	Local name	Aceton
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	295 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	125 ppm
Switzerland	Local name	Acétone
Switzerland	VME (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Switzerland	VME (ppm)	500 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	1000 ppm
Switzerland	Remark (CH)	4x15
Australia	Local name	Acetone
Australia	TWA (mg/m <sup>3</sup> )	1185 mg/m <sup>3</sup>
Australia	TWA (ppm)	500 ppm
Australia	STEL (mg/m <sup>3</sup> )	2375 mg/m <sup>3</sup>
Australia	STEL (ppm)	1000 ppm
USA - ACGIH	Local name	Acetone
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	500 ppm
USA - ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
USA - OSHA	Local name	Acetone
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2400 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
tea tree oil (68647-73-4)		
Belgium	Limit value (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls	: Provide adequate general and local exhaust ventilation.
Personal protective equipment	: Protective goggles. Gloves.
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended



Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Acetone odour.
Odour threshold	: 306 - 653 ppm 737 - 1574 mg/m <sup>3</sup>
pH	: 7



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Relative evaporation rate (butylacetate=1)	: 6
Relative evaporation rate (ether=1)	: 2
Melting point	: -95 °C
Freezing point	: No data available
Boiling point	: 56 °C
Flash point	: -18 °C
Critical temperature	: 235 °C
Auto-ignition temperature	: 465 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapour pressure	: 247 hPa
Vapour pressure at 50 °C	: 828 hPa
Critical pressure	: 47010 hPa
Relative vapour density at 20 °C	: 2,0
Relative density	: 0,79
Relative density of saturated gas/air mixture	: 1,2
Density	: 786 kg/m <sup>3</sup>
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in dimethyl ether. Soluble in petroleum spirit. Soluble in chloroform. Soluble in dimethylformamide. Soluble in oils/fats.
Log Pow	: -0,24 (Test data)
Viscosity, kinematic	: 0,417 mm <sup>2</sup> /s
Viscosity, dynamic	: 32 mPa.s (20 °C; 0,27 mPa.s; 40 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 2 - 12,8 vol % 60 - 310 g/m <sup>3</sup>

### 9.2. Other information

Minimum ignition energy	: 1,15 mJ
Saturation concentration	: 589 g/m <sup>3</sup>
VOC content	: 99 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Highly volatile. Substance has neutral reaction.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Upon combustion: CO and CO<sub>2</sub> are formed. Violent to explosive reaction with many compounds. Prolonged storage: on exposure to light: release of harmful gases/vapours. Reacts violently with (strong) oxidizers: peroxidation resulting in increased fire or explosion risk.

### 10.2. Chemical stability

Unstable on exposure to light. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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#### acetone (67-64-1)

LD50 oral rat	5800 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	20000 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402)



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acetone (67-64-1)	
LC50 inhalation rat (mg/l)	71 mg/l/4h (Rat; Experimental value; 76 mg/l/4h; Rat; Experimental value)
LC50 inhalation rat (ppm)	30000 ppm/4h (Rat; Experimental value)

tea tree oil (68647-73-4)	
LD50 oral rat	1900 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation	: Not classified Repeated exposure may cause skin dryness or cracking pH: 7
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

Keratex Frog Disinfectant	
Viscosity, kinematic	0,417 mm <sup>2</sup> /s

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

acetone (67-64-1)	
LC50 fish 1	6210 mg/l (96 h; Pimephales promelas; Nominal concentration)
EC50 Daphnia 1	8800 mg/l (48 h; Daphnia pulex)
LC50 fish 2	5540 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
TLM fish 1	13000 ppm (96 h; Gambusia affinis; Turbulent water)
TLM fish 2	> 1000 ppm (96 h; Pisces)
Threshold limit other aquatic organisms 1	3000 mg/l (Plankton)
Threshold limit other aquatic organisms 2	28 mg/l (Protozoa)
Threshold limit algae 1	7500 mg/l (Scenedesmus quadricauda; pH = 7)
Threshold limit algae 2	3400 mg/l (48 h; Chlorella sp.)

### 12.2. Persistence and degradability

Keratex Frog Disinfectant	
Persistence and degradability	Not established.

acetone (67-64-1)	
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)	1,43 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1,92 g O <sub>2</sub> /g substance
ThOD	2,20 g O <sub>2</sub> /g substance
BOD (% of ThOD)	(20 day(s)) 0.872





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### tea tree oil (68647-73-4)

Persistence and degradability	Biodegradability in water: no data available.
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### 12.3. Bioaccumulative potential

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Log Pow	-0,24 (Test data)
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Bioaccumulative potential	Not established.
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### acetone (67-64-1)

BCF fish 1	0,69 (Pisces)
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BCF other aquatic organisms 1	3
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Log Pow	-0,24 (Test data)
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Bioaccumulative potential	Not bioaccumulative. Not established.
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### tea tree oil (68647-73-4)

Bioaccumulative potential	Bioaccumulation: No data available.
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### 12.4. Mobility in soil

#### acetone (67-64-1)

Surface tension	0,0237 N/m
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Additional information : Avoid release to the environment

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 07 01 04\* - other organic solvents, washing liquids and mother liquors

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : 1090

UN-No. (IMDG) : 1090

UN-No. (IATA) : 1090

UN-No. (ADN) : 1090

UN-No. (RID) : 1090

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ACETONE

Proper Shipping Name (IMDG) : ACETONE

Proper Shipping Name (IATA) : Acetone

Proper Shipping Name (ADN) : ACETONE

Proper Shipping Name (RID) : ACETONE

Transport document description (ADR) : UN 1090 ACETONE, 3, II, (D/E)

Transport document description (IMDG) : UN 1090 ACETONE, 3, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3



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### IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3



### IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3



### ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



### RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3



### 14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available




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### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR)	: F1
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	: 
Tunnel restriction code (ADR)	: D/E
EAC code	: •2YE

#### 14.6.2. Transport by sea

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: E
Flash point (IMDG)	: -20°C to -18°C c.c.

#### 14.6.3. Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3H

#### 14.6.4. Inland waterway transport

Classification code (ADN)	: F1
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
Carriage prohibited (ADN)	: No
Not subject to ADN	: No



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### 14.6.5. Rail transport

Classification code (RID)	: F1
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33
Carriage prohibited (RID)	: No

### 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	Keratex Frog Disinfectant - acetone - tea tree oil
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	Keratex Frog Disinfectant - acetone
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	Keratex Frog Disinfectant - acetone - tea tree oil
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.	Keratex Frog Disinfectant - acetone

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 99 %

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK)	: 2 - hazard to waters
WGK remark	: Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4)
Storage class (LGK)	: LGK 3 - Flammable liquids
VbF class	: B - Liquids with a flashpoint below 21°C, but soluble in water at 15°C or flammable ingredients that are soluble in water at 15°C

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information



# Keratex Frog Disinfectant

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according to Regulation (EC) No. 453/2010

Data sources : 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.

Other information : None.

### Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
R11	Highly flammable
R22	Harmful if swallowed
R36	Irritating to eyes
R36/38	Irritating to eyes and skin
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant
Xn	Harmful

### SDS EU\_NSC

*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.*