

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

1.1 Product identifier

Trade name: BevistoTray Cleaner

BevistoTray Cleaner is bottled, labelled and packed by Bio Hygiene P/L in Australia under license of BEVISTON GmbH, Germany.

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

Relevant identified uses	Liquid concentrate for cleaning medical impression trays and mixing instruments.
Uses advised against	When used as intended: none

1.3 Details of the supplier of the safety data sheet

Australian Representative:

Bio Hygiene P/L
Unit N4, 5 – 7 Hephher Road
Campbelltown NSW 2560
Australia
Tel.: 1800 317 016
E-mail: info@biohygiene.com.au

Further information obtainable from: Department for product safety

1.4 Emergency telephone number:

- | | |
|---|--|
| 1) Emergency phone:
within business hours from 8:00 to 17:00 h | Tel.: 1800 317 016
E-mail: info@biohygiene.com.au |
| 2) Australian Poisons Information Centre 24/7 | Tel.: 13 11 26 |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3
Skin corrosion/ irritation: Skin Irrit. 2
Serious eye damage/ eye irritation: Eye Irrit. 2
Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
Harmful to aquatic life with long lasting effects.

2.2 Label elements

Regulation (EC) No 1272/2008

Signal word Warning

Pictograms



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Hazard statements

Flammable liquid and vapour.

Causes skin irritation.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Wear protective gloves/ eye protection.

Wash hands thoroughly after handling.

Avoid release to the environment.

IF ON SKIN (or hair): Wash with plenty of water.

If skin irritation occurs: Get medical advice/ attention.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing and wash it before reuse.

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

If eye irritation persists: Get medical advice/ attention.

 In case of fire: Use water spray, BC-powder, carbon dioxide (CO₂) to extinguish.

Store in a well-ventilated place. Keep cool.

Special labelling of certain mixtures

Contains Lemon Oil. May produce an allergic reaction.

2.3 Other hazards

No information available.

SECTION 3: Composition/ information on ingredients
3.2 Mixtures
Hazardous components

CAS no.	Chemical name			Quantity
	EC no.	Index no.	REACH reg. no.	
	Classification according to Regulation (EC) No. 1272/2008			
68188-18-1	Paraffin oils, sulfochlorinated, saponified			5 - < 15%
	269-144-1		01-2119517577-32	
	Acute Tox. 4/ H302; Skin Irrit. 2/ H315; Eye Irrit. 2/ H319; Aquatic Chronic 3/ H412			
67-63-0	2-Propanol; Isopropanol			5 - < 15%
	200-661-7	603-117-00-0	01-2116457558-25	
	Flam Liq. 2/ H225; Eye Irrit. 2/ H319; STOT SE 3/ H336			
164462-16-2	N,N-Bis(carboxymethyl)alanin, trisodium salt			5 - < 15%
	605-362-9		01-0000016977-53	
	Met. Corr. 1/ H290			
15763-76-5	Sodium p-cumenesulphonate			1 - < 5%
	239-854-6		01-2119489411-37	
	Eye Irrit. 2/ H319			

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-	Hydrochloric acid 31%			1 - < 5%
	231-595-7	017-002-01-X	01-2119484862-27	
	Skin Corr. 1B/ H314, STOT SE 3/ H335			
68439-50-9	Alcohols, C12-14, ethoxylated			1 - < 5%
			01-2119487984-16	
	Eye Dam. 1/ H318, Aquatic Acute 1/ H400 (M-Factor = 10), Aquatic Chronic 3/ H412			
8008-56-8	Lemon Oil			< 1%
	284-515-8			
	Flam Liq. 3/ H226, Skin Irrit. 2/ H315, Skin Sens. 1/ H317, Asp. Tox. 1/ H304, Aquatic Acute 1/ H400, Aquatic Chronic 1/ H410			

For full text of H and EUH statements: see SECTION 16.

SECTION 4: First aid measures
4.1 Description of first aid measures
After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Following ingestion

Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No 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 jet, carbon dioxide (CO₂), foam, extinguishing powder.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours can form explosives mixtures with air.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/ vapours/ mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures
6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not breathe gas/ fumes/ vapours/ spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2 Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 References to other sections

Safe handling: see section 7.

Personal protection equipment: see section 8.

Disposal: see section 13.

SECTION 7: Handling and storage
7.1 Precautions for safe handling
Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

Keep away from sources of ignition – No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on storage compatibility

Do not store together with: Pyrophoric or self-heating substances.

7.3 Specific end use(s)

Liquid concentrate for cleaning medical impression trays and mixing instruments.

SECTION 8: Exposure controls/ personal protection
8.1 Control parameters
Exposure limits (EH40)

CAS no	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

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DNEL/ DMEL values

CAS no.	Substance			
DNEL type	Exposure route	Effect	Value	
68188-18-1	Paraffin oils, sulfochlorinated, saponified			
Worker DNEL, long-term	inhalation	local	10 mg/m ³	
Worker DNEL, long-term	dermal	systemic	17 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	10 mg/kg bw/day	
67-63-0	2-Propanol; Isopropanol			
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³	
Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³	
15763-76-5	Sodium p-cumenesulphonate			
Consumer DNEL, long-term	oral	systemic	3.8 mg/kg bw/day	
Consumer DNEL, long-term	dermal	systemic	3.8 mg/kg bw/day	
Worker DNEL, long-term	dermal	systemic	7.6 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	13.2 mg/m ³	
Worker DNEL, long-term	inhalation	systemic	53.6 mg/m ³	
-	Hydrochloric acid 31%			
Worker DNEL, acute	inhalation	local	15 mg/m ³	
Worker DNEL, long-term	inhalation	local	9 mg/m ³	
68439-50-9	Alcohols, C12-14, ethoxylated			
Worker DNEL, long-term	dermal	systemic	2080 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	294 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	1250 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	87 mg/m ³	
Consumer DNEL, long-term	oral	systemic	25 mg/kg bw/day	

PNEC values

CAS No	Substance		
Environmental compartment			Value
68188-18-1	Paraffin oils, sulfochlorinated, saponified		
Freshwater			0.020 mg/l
Marine water			0.002 mg/l
Marine sediment			0.017 mg/kg
Micro-organisms in sewage treatment plants (STP)			8.1 mg/l
Soil			0.02 mg/kg
67-63-0	2-Propanol; Isopropanol		
Freshwater			140.9 mg/l
Marine water			160 mg/l
Marine water (intermittent release)			140.9 mg/l
Micro-organisms in sewage treatment plants (STP)			2251 mg/l
Soil			28 mg/l
15763-76-5	Sodium p-cumenesulphonate		
Freshwater			0.23 mg/l
Freshwater (intermittent releases)			2.3 mg/l

68439-50-9	Alcohols, C12-14, ethoxylated
Freshwater	0.0437 mg/l
Marine water	0.0437 mg/l
Freshwater sediment	31 mg/kg
Marine sediment	31 mg/kg
Micro-organisms in sewage treatment plants (STP)	10000 mg/l
Soil	1 mg/kg

8.2 Exposure controls



Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection program. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Eye/ face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state liquid

Colour green

Odour lemon

pH value (at 20 °C) 8 - 9

Changes in the physical state

Melting point not determined

Initial boiling point and boiling range not determined

Sublimation point not determined

Softening point not determined

Pour point not determined

Flash point 30 °C

Sustaining combustion No data available

Flammability

Solid not determined

Gas not determined

Explosive properties

The product is not explosive, however, the formation of explosive vapour/ air mixtures is possible.

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Lower explosion limits	Isopropanol: 2 vol.%
Upper explosion limits	Isopropanol: 11 vol.%
Ignition temperature	not determined
Auto-ignition temperature	
Solid	not determined
Gas	not determined
Decomposition temperature	not determined
Oxidizing properties	
Not oxidising	
Vapour pressure	not determined
Density (at 20 °C)	1.065 – 1.075 g/cm ³
Bulk density	not determined
Water solubility	not determined
Solubility in other solvents	
Not determined	
Partition coefficient	not determined
Viscosity/ dynamic	not determined
Viscosity/ kinematic	not determined
Flow time	not determined
Vapour density	not determined
Evaporation rate	not determined
Solvent separation test	not determined

9.2 Other information

Solid content not determined

SECTION 10: Stability and reactivity**10.1 Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Keep away from sources of heat (e. g. hot surfaces), sparks and open flames.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information
11.1 Information on toxicological effects
Acute toxicity

CAS no	Chemical name				
	Exposure route	Dose	Species	Source	Method
68188-18-1	Paraffin oils, sulfochlorinated, saponified				
	oral	LD50 1271 mg/kg	Rat		OECD 401

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information
12.1 Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name						
	Aquatic toxicity	Dose	[h]	[d]	Species	Source	Method
68188-18-1	Paraffin oils, sulfochlorinated, saponified						
	Acute fish toxicity	LC50 4.16 mg/l	96 h		Brachydanio rerio (zebra-fish)		OECD 203
	Acute crustacea toxicity	EC50 4.72 mg/l	48 h		Daphnia magna (Big water flea)		OECD 202
	Crustacea toxicity	NOEC 1 mg/l	22 d		Daphnia magna (Big water flea)		OECD 202
-	Hydrochloric acid 31%						
	Acute fish toxicity	LC50 3.25 mg/l	96 h		Lepomis macrochirus (Bluegill)		
	Acute crustacea toxicity	EC50 4.92 mg/l	48 h		Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(0.23 mg/l)					
68439-50-9	Alcohols, C12-14, ethoxylated						
	Acute fish toxicity	LC50 1-10 mg/l	96 h		Brachydanio rerio (zebra-fish)		
	Acute crustacea toxicity	EC50 01.-1 mg/l	48 h		Daphnia magna (Big water flea)		

12.2 Persistence and degradability

The product has not been tested.

CAS no	Chemical name			
	Method	Value	d	Source
	Evaluation			
68188-18-1	Paraffin oils, sulfochlorinated, saponified			
	OECD 301F	82%	28	

12.3 Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS no	Chemical name	Log Pow
68188-18-1	Paraffin oils, sulfochlorinated, saponified	2.27
67-63-0	2-Propanol; Isopropanol	<1
68439-50-9	Alcohols, C12-14, ethoxylated	4.22-7.0

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The product has not been tested.

12.6 Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/ subsoil.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Do not allow to enter into soil/ subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

Hazard label

UN 1987

ALCOHOLS, N.O.S. (isopropanol)

3

III

3



Classification code

F1

Special provisions

274 601

Limited quantity

5 L

Excepted quantity

E1

Transport category

3

Hazard No

30

Tunnel restriction code

D/E

Inland waterways transport (ADN)

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

Hazard label

UN 1987

ALCOHOLS, N.O.S. (isopropanol)

3

III

3



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Classification code	F1
Special provisions	274 601
Limited quantity	5 L
Excepted quantity	E1

Maritime transport (IMDG)

14.1 UN number	UN 1987
14.2 UN proper shipping name	ALCOHOLS, N.O.S. (isopropanol)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Hazard label	3



Marine pollutant	no
Special provisions	223, 274
Limited quantity	5 L
Excepted quantity	E1
EmS	F-E, S-D
Segregation group	alkalis

Air transport (ICAO-TI/ IATA-DGR)

14.1 UN number	UN 1987
14.2 UN proper shipping name	ALCOHOLS, N.O.S. (isopropanol)
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Hazard label	3



Special provisions	A3 A180
Limited quantity Passenger	10 L
Passenger LQ	Y344
Excepted quantity	E1
IATA-packing instructions – Passenger	355
IATA-max. quantity – Passenger	60 L
IATA-packing instructions – Cargo	366
IATA-max. quantity – Cargo	220 L

14.5 Environmental hazards	
ENVIRONMENTALLY HAZARDOUS:	no
14.6 Special precautions for user	
Not mandatory.	
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	
Not applicable to product as delivered.	

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3: Hydrochloric acid 31%

2010/75/EU (VOC) 9.524% (101.431 g/l)

2004/42/EC (VOC) 9.524% (101.431 g/l)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the "juvenile work protection guideline" (94/33/EC)

Water contaminating class (D): 2 – clearly water contaminating

Skin resorption/ Sensitization: Causes allergic hypersensitivity reactions.

15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

Acute Tox. Acute toxicity; **ADN** Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European agreement about the international transport of dangerous goods in inland waterways); **ADR** Accord européen relatif au transport international des marchandises dangereuses par route (European agreement about the international transport of dangerous goods in road systems); **Aquatic Acute** Hazardous to the aquatic environment (acute aquatic toxicity); **Aquatic Chronic** Hazardous to the aquatic environment (chronic aquatic toxicity); **ATE** Acute Toxicity Estimate; **BCF** Bioconcentration factor; **BSB** Biochemischer Sauerstoffbedarf (Biochemical oxygen demand); **CAS** Chemical Abstracts Service; **CLP** Regulation (EC) No. 1272/2008 about Classification, Labelling and Packaging) of substances and mixtures; **CMR** Carcinogenic, Mutagenic or toxic for Reproduction (krebserzeugend, erbgutverändernd oder fortpflanzungsgefährdend); **CSB** Chemischer Sauerstoffbedarf (Chemical oxygen demand); **DGR** Dangerous Goods Regulations, see IATA/ DGR; **DMEL** Derived Minimal Effect Level; **DNEL** Derived No-Effect Level; **EC no.** The EC inventory (EINECS, ELINCS and the NLP inventory) is the source for the seven-digit EC no. as code for substances in the EU (European Union); **EINECS** European Inventory of Existing Commercial Chemical Substances; **ELINCS** European List of Notified Chemical Substances; **EmS** Emergency Schedule; **Eye Dam.** Serious eye damage; **Eye Irrit.** Eye Irritation; **Flam. Liq.** Flammable liquid; **GHS** "Globally Harmonized System of Classification and Labelling of Chemicals"; **IATA** International Air Transport Association IATA/DGR Dangerous Goods Regulations (DGR) for the air transport (IATA); **ICAO** International Civil Aviation Organization; **IMDG** International Maritime Dangerous Goods Code; **LGK** Storage category according to TRGS 510, Germany; **log POW** n-Octanol/water; **MARPOL** International convention for the prevention of pollution from ships (short for "Marine Pollutant"); **NLP** No-Longer Polymer; **PBT** Persistent, bioaccumulative and toxic; **PNEC** Predicted No-Effect Concentration; **REACH** Registration, Evaluation, Authorisation and Restriction of Chemicals; **RID** Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulation concerning the carriage of dangerous goods by rail); **Skin Corr.** Skin corrosion; **Skin Irrit.** Skin irritation **Skin Sens.** Skin sensitisation; **STOT RE** Specific target organ toxicity, repeated exposure; **STOT SE** Specific target organ toxicity, single exposure; **TRGS** Technische Regeln für Gefahrstoffe (technical regulations for hazardous substances, Germany); **TRGS 903**

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Biological limit values; **VOC** Volatile Organic Compounds; **vPvB** Very Persistent and very Bioaccumulative.

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

Highly flammable liquid and vapour.
Flammable liquid and vapour.
May be corrosive to metals.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Causes severe skin burns and eye damage.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Causes serious eye irritation.
May cause respiratory irritation
May cause drowsiness or dizziness.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
Contains Lemon Oil. May produce an allergic reaction.

The information in this safety data sheet is based on the present state of our knowledge and our findings but they are not any assurance of product qualities and do not create any contractual legal position. The information in this safety data sheet are only valid for the product described with its intended use.