

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 1

Compilation date: 16/03/2023

Revision date: 22.03.23

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

1.1. Product identifier

Product name: (ISELL) HOT TUB SURFACE CLEANER

Product code: HC1744

Synonyms: PD0621-1
HC1744

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

Use of substance / mixture: Water based disinfectant and cleaner.

1.3. Details of the supplier of the safety data sheet

Company name: LIQUID SCIENCE SOLUTIONS LIMITED

Bentley Wood Way
Network 65 Business Park
Hapton, Burnley
Lancashire
BB11 5ST
UK GB & NI

Tel: +44(0)1282 831251

Fax: +44(0)1282 450456

Email: info@liquidscience.co.uk

1.4. Emergency telephone number

Emergency tel: +44(0)777 342 9963

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Aquatic Chronic 3: H412; Eye Irrit. 2: H319

Most important adverse effects: Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictograms: GHS07: Exclamation mark



[cont...]

SAFETY DATA SHEET

(ISELL) HOT TUB SURFACE CLEANER

Page: 2

Signal words: Warning

Precautionary statements: P102: Keep out of reach of children.

P280: Wear eye protection, protective gloves.

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

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

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Haz. ingredients (label): Contains: ALKYL BENZYL AMMONIUM CHLORIDE

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

1-METHOXY-2-PROPANOL - REACH registered number(s): 01-2119457435-35-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-539-1	107-98-2	-	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE - REACH registered number(s): 01-2119970550-39-XXXX

939-350-2	68424-85-1	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 2: H411	<1%
-----------	------------	---	---	-----

Non-classified ingredients:

DIMETHYL C12-C14 ALKYL BETAINES - REACH registered number(s): 01-2119529251-48-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
931-700-2	66455-29-6	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412	<1%

PERFUME FLORAL (CONTAINING: LIXETONE, NERYL ACETATE, ALPHA METHYL IONONE, CITRAL)

-	BLEND	-	Skin Irrit. 2: H315; Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1: H317	<1%
---	-------	---	--	-----

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 3

Ingestion: Wash out mouth with water.

Inhalation: Move to fresh air in case of accidental inhalation of vapours.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. Water based product. Advice relates to dry residues after water has evaporated.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Section 7: Handling and storage

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 4

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

1-METHOXY-2-PROPANOL

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	375 mg/m3	560 mg/m3	-	-

Non-classified ingredients:

PERFUME FLORAL (CONTAINING: LIXETONE, NERYL ACETATE, ALPHA METHYL IONONE, CITRAL)

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	Not determined	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Ensure eye bath is to hand. Safety glasses.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale blue

Odour: Perfumed

Evaporation rate: Slow

Viscosity: Non-viscous

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 5

Boiling point/range°C: 100
Flammability limits %: lower: 2.0
Flash point°C: 61
Autoflammability°C: >230
pH: 6 - 7

Melting point/range°C: 0
upper: 14.0
Part.coeff. n-octanol/water: No data available.
Relative density: 0.990
VOC g/l: 20

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

1-METHOXY-2-PROPANOL

ORAL	RAT	LD50	5000	mg/kg
------	-----	------	------	-------

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

DERMAL	RAT	LD50	1560	mg/kg
ORL	RAT	LD50	795	mg/Kg

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 6

Non-classified ingredients:

DIMETHYL C12-C14 ALKYL BETAINES

ORL	RAT	LD50	>2000	mg/kg
-----	-----	------	-------	-------

PERFUME FLORAL (CONTAINING: LIXETONE, NERYL ACETATE, ALPHA METHYL IONONE, CITRAL)

No information	-	-	-	-
----------------	---	---	---	---

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

1-METHOXY-2-PROPANOL

FISH	96H LC50	>4600	mg/l
------	----------	-------	------

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

DAPHNIA	48H EC50	0.03	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	1.7	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil. Volatile. Soluble in water.

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 7

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Waste code number: 20 01 30

Disposal of packaging: Dispose of as normal industrial waste. Clean with water.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

All substances in this preparation are registered within UK/EU/EFTA countries under the REACH (UK/EC) (amended) regulations, EC 1907/2006

Detergent Regulations EC648/2004, the product contains amongst other ingredients:-

Amphoteric surfactants <5%

Cationic surfactants <5%

Disinfectants

Perfumes

IMPORTANT NOTE:

Risk phases in this section below relate to the INDIVIDUAL COMPONENTS in the

[cont...]

SAFETY DATA SHEET
(ISELL) HOT TUB SURFACE CLEANER

Page: 8

formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.