

# Safety Data Sheet

## Deep Blue Hot Tub Flush

### 1. Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier:** Deep Blue Hot Tub Flush Cleaner

**1.2. Relevant identified uses of the substance or mixture and uses advised against:**  
Deep Blue Hot Tub Flush Cleaner

**1.3. Details of the supplier of the Safety Data Sheet:**  
Deep Blue Pool Supplies  
Box 8899 Hermitage,  
Corsham, SN13 8DT  
Telephone: +44 (0) 3330 907094  
Fax: +44 (0) 3330 907094  
E-mail: [help@deepbluepoolsupplies.co.uk](mailto:help@deepbluepoolsupplies.co.uk)

**Emergency telephone number:** Mon-Fri (8:30 – 17:00):01745 585995 or 111 Out of hours

### 2. Hazards identification.

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

The product is classified as hazardous pursuant to the provisions set forth in GB/ EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product requires a safety datasheet that complies with the provisions of GB/EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

#### 2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments:

Hazard classification and indication: Eye Irrit. 2; H319  
Skin Irrit. 2; H315

#### 2.2. Label elements:

(GB/EC) No. 1272/2008

Warning symbols:



Signal Word:

Warning

Hazard Statement/s:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

### 3. Composition/information on ingredients.

**3.1. Substances:** Information not relevant.

#### 3.2. Mixtures:

Contains:

PRIMARY ALCOHOL ETHOXYLATE

CAS	CHIP Classification	CLP Classification	Percent
68439-46-3	Xn;R22. Xi;R41	GHS05; H318, GHS07; H302	1 – 5 %

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### 2-BUTOXYETHANOL

CAS	EC/List Number	CLP Classification	Percent
111-76-2	203-905-0	GHS07: Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	1 – 10 %

### CITRIC ACID, MONOHYDRATE

CAS	EC/List Number	CLP Classification	Percent
5949-29-1	201-069-1	GHS07: Eye Irrit.2 - H319	0.05 – 5 %

## 4. First aid measures

### 4.1. Description of first aid measures.

General information:	Remove soiled or soaked clothing immediately. Ensure that the First Aid Personnel are aware of the product involved and take precautions to protect themselves (e.g. wear personal protection equipment).
After inhalation:	Ensure supply of fresh air.
After contact with skin:	In case of contact with skin wash off with water. If irritation persists, seek medical advice.
After contact with eyes:	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
After ingestion:	Call in a physician immediately and show them the Safety Data Sheet.

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

Symptoms:	No symptoms known currently.
Hazards:	No hazards known at this time.

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

Treatment:	Treat symptomatically.
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## 5. Firefighting measures.

### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA:	The product is non-flammable. Use extinguishing media appropriate for surrounding fire.
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EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS:	None in particular.
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### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE	The product is non-flammable. Hazards caused by exposure would be for the surrounding fire.
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### 5.3. Advice for fire fighters.

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### GENERAL INFORMATION:

The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Wear full protective clothing and breathing apparatus if there is a risk of exposure to smoke or fumes from other source.

## 6. Accidental release measures

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

Wear suitable personal protective equipment.  
Ensure adequate ventilation.

### 6.2. Environmental precautions

Contain contaminated water/fire-fighting water  
Do not allow entry to drains, water courses or soil

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

Take up with absorbent material (eg sand, kieselguhr, universal binder)  
When picked up, treat material as prescribed under heading "Disposal".

### 6.4. Reference to other sections

Additional information

Small spills should present no problem. For information regarding Safe handling, see chapter 7. For information regarding personal protective measures, see chapter 8. For information regarding Waste Disposal, see chapter 13.

## 7. Handling and storage.

### 7.1. Precautions for safe handling:

Store in closed, labelled containers.

### 7.2. Conditions for safe storage:

including any incompatibilities. Normal storage conditions without particular incompatibilities.

### 7.3. Specific end use(s):

Information not available. Refer to product label.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Name	CAS Number	Type	TWA/8h mg/m <sup>3</sup> ppm	STEL/15min mg/m <sup>3</sup> ppm	DNEL Long term inhalation mg/m <sup>3</sup>	PNEC
2-BUTOXYETHANOL	111-76-2	WEL	25	50	98	Freshwater 8.8 mg/l
						Marine Water 8.8 mg/l
						Soil 2.8 mg/kg

### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.

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Ventilation:	No specific recommendation noted except this product must not be used in a confined space without good ventilation.
Respirators:	No specific recommendation made as there are no known adverse affects.
Protective Gloves:	Chemical resistant gloves required for prolonged or repeated contact.
Eye Protection:	Wear approved safety goggles.

### 9. Physical and chemical properties

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

Physical state:	Liquid.
Form:	Liquid.
Colour:	Straw.
Odour:	Not specified.
Miscibility with water:	Miscible.
Solubility/qualitative:	Not tested.

**9.2. Other information** None.

### 10. Stability and reactivity.

<b>10.1. Reactivity:</b>	There are no particular risks of reaction with other substances in normal conditions of use.
<b>10.2. Chemical stability:</b>	The product is stable in normal conditions of use and storage.
<b>10.3. Possibility of hazardous reactions:</b>	No hazardous reactions are foreseeable in normal conditions of use and storage.
<b>10.4. Conditions to avoid:</b>	None in particular, however the usual precautions used for chemical products should be respected.
<b>10.5. Incompatible materials:</b>	Aluminium.
<b>10.6. Hazardous decomposition products:</b>	This product is not flammable.

### 11. Toxicological information.

If large quantities are ingested, treat symptomatically. Do not induce vomiting. If irritant effects to skin and eyes occur, these will be mild to moderate, depending on exposure. If in contact with eyes, flushing with water is recommended. If contact with skin wash with clean water. If irritation persists over 72 hours seek medical attention.

**11.1. Information on toxicological effects:** Information not available.

### 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should large quantities of the product reach waterways or sewers or contaminate soil or vegetation.

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<b>12.1. Toxicity:</b>	Information not available.
<b>12.2. Persistence and degradability:</b>	Information not available.
<b>12.3. Bio accumulative potential:</b>	Information not available.
<b>12.4. Mobility:</b>	Miscible in water.
<b>12.5. Results of PBT and vPvB assessment:</b>	Not identified as a PBT and vPvB.
<b>12.6. Other adverse effects:</b>	Information not available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods Product

Product should be disposed of in accordance with relevant regulations.

### 14. Transport information

#### Section 14.1. to 14.5.

<b>ADR:</b>	Not restricted.
<b>ADNR:</b>	Not restricted.
<b>RID:</b>	Not restricted.
<b>IATA:</b>	Not restricted.
<b>IMDG:</b>	Not restricted.

**14.6. Special precautions for user** See sections 6 to 8 of this Safety Data Sheet.

### 15. Regulatory information

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

**Other regulations:** Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

**15.2. Chemical safety assessment:** No chemical safety assessment has been processed for the mixture and the substances it contains.

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### 16. Other information

#### Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
MARPOL	International Convention for the Prevention of Pollution From Ships
OEL	Occupational Exposure Limit
PBT	Persistent, Bio accumulative, Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bio accumulative

The data is based on the current state of our knowledge and are intended to describe the product regarding the requirements of safety. The data should not be taken to imply any guarantee of a general or specific specification. It is the responsibility of the user of the product to ensure to their satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.