

**ICE MACHINE CLEANER****0076**

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.



C : Corrosive



8: Corrosive substances

**Danger****Responsible for distribution**

Scorpion Climate  
Unit 3 Deanland Business Park  
Deanland Road, Golden Cross  
BN27 3RP East Sussex United Kingdom

**SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Liquid.  
Trade name : ICE MACHINE CLEANER  
Type of product : Acidic cleaner.

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

Use : See product bulletin for detailed information.

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

Company identification : Bio Services International  
Jagershoek 13  
8570 Vichte Belgique-Belgie  
Tel : 00.32.56.77.24.34 Ma-Vr 8-12u /13-17u  
Fax : 00.32.56.77.24.35  
E-mail : [bernard@bioservice.be](mailto:bernard@bioservice.be)

Responsible for placing on the market : See distributor.

**1.4. Emergency telephone number**

Emergency phone nr : B 0032.70.245.245//F 0033.(0)383.32.36.36//0033.(0)1.40.05.48.48

**SECTION 2 Hazards identification****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Classification : C; R35

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

• Health hazards : Skin corrosion - Category 1A - Danger - (CLP : Skin Corr. 1A) - H314  
Serious eye damage - Category 1 - Danger - (CLP : Eye Dam. 1) - H318

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### SECTION 2 Hazards identification (continued)

#### 2.2. Label elements

##### Labelling EC 67/548 or EC 1999/45

##### Symbol(s)



##### R Phrase(s)

##### S Phrase(s)

- : C : Corrosive
- : R35 : Causes severe burns.
- : S1/2 : Keep locked up and out of reach of children.
- : S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- : S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
- : S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).

##### Labelling Regulation EC 1272/2008 (CLP)

##### • Hazard pictograms



##### • Hazard pictograms

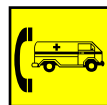
##### • Signal words

##### • Hazard statements

##### Contains

##### • Pictograms (Precautionary statements)

- : GHS05
- : Danger
- : H314 - Causes severe skin burns and eye damage
- : Phosphoric acid
- : Phosphoric acid



##### • Precautionary statements

##### General

##### Prevention

##### Response

##### Storage

##### Disposal considerations

#### 2.3. Other hazards

##### Other hazards

- : P102 - Keep out of reach of children.
- : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- : P280F - Wear protective gloves, protective clothing.
- : P301+330+331 - If swallowed: Rinse mouth. Do NOT induce vomiting.
- : P310 - Immediately call a POISON CENTER or doctor/physician
- : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- : P405 - Store locked up
- : P501B - Dispose in a safe manner in accordance with local/national regulations.

: None under normal conditions.

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### SECTION 3 Composition/information on ingredients

#### 3.2. Preparation

##### 3.1/3.2. Substance / Preparation

**Composition** : For more information on INCI-names : [http://ec.europa.eu/enterprise/cosmetics/inci/inci\\_2006.pdf](http://ec.europa.eu/enterprise/cosmetics/inci/inci_2006.pdf)  
 aqua  
 phosphoric acid

Trideceth-8  
 butoxyethanol  
 Ascorbic acid (E300)

**Components** : This product is hazardous.

**Composition** : Regulation (CE) No. 648/2004 of 31 March 2004 on detergents:  
 < 5% : - Aliphatic hydrocarbons - Non-ionic surfactants

Substance name	Contents	CAS No	EC No	Annex No	REACH	Classification
2-butoxyethanol	: Between 1 and 10 %	111-76-2	203-905-0	603-014-00-0	----	Xn; R20/21/22 Xi; R36/38  Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Inhalation);H332 Acute Tox. 4 (Oral);H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315
Phosphoric acid	: Between 30 and 40 %	7664-38-2	231-633-2	015-011-00-6	----	C; R34  Skin Corr. 1B;H314 Eye Dam. 1;H318
Isotridecanoethoxylate	: Between 1 and 10 %	69011-36-5	----	----	----	Xn; R22 Xi; R41  Eye Dam. 1;H318 Acute Tox. 4 (Oral);H302
Sulfamic acid	: Between 1 and 10 %	5329-14-6	226-218-8	016-026-00-0	----	Xi; R36/38 R52-53  Eye Irrit. 2;H319 Skin Irrit. 2;H315 Not CLP Aquatic Chronic 3;H412

### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

##### First aid measures

- Inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- Ingestion : Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

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

No data available.

- Skin contact : Redness, pain.
- Eye contact : Redness, pain. Blurred vision. Tears.
- Ingestion : Swallowing of this product presents some health hazard.  
Must not come into contact with food or be consumed.

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**SECTION 4 First aid measures (continued)****4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 Firefighting measures****5.1. Extinguishing media**

Use water spray/fog to disperse vapours below flammable limit.

Use water spray/fog for cooling.

**5.2. Special hazards arising from the substance or mixture****5.3. Advice for firefighters**

- Flammable class** : Not flammable.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.

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

**Personal precautions** : Wear recommended personal protective equipment.

**6.2. Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters.

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

No data available.

**Clean up methods** : Collect spills and put it into appropriated container.

**6.4. Reference to other sections**

No data available.

**SECTION 7 Handling and storage****7.1. Precautions for safe handling**

**Handling** : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Personal protection** : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

**Technical protective measures** : Both local exhaust and general room ventilation are usually required.

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

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**7.3. Specific end use(s)****Bio Services International**

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### SECTION 7 Handling and storage (continued)

No data available.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

**Industrial hygiene** : Provide local exhaust or general room ventilation.

#### 8.2. Exposure controls

**Occupational Exposure Limits** : Phosphoric acid : TLV<sup>®</sup> -TWA [mg/m<sup>3</sup>] : 1  
Phosphoric acid : TLV<sup>®</sup> -STEL [mg/m<sup>3</sup>] : 3  
Phosphoric acid : OEL (UK)-LTEL [mg/m<sup>3</sup>] : 1  
Phosphoric acid : OEL (UK)-STEL [mg/m<sup>3</sup>] : 2  
2-butoxyethanol : TLV<sup>®</sup> -TWA [ppm] : 20  
2-butoxyethanol : OEL (UK)-LTEL [ppm] : 25  
2-butoxyethanol : OEL (UK)-STEL [ppm] : 50

#### Personal protection

- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.
- **Skin protection** : Skin protection appropriate to the conditions of use should be provided.
- **Eye protection** : Goggles.
- **Hand protection** : Gloves.
- **Ingestion** : When using, do not eat, drink or smoke.

### SECTION 9 Physical and chemical properties

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

##### 9.1.a. Appearance

**Appearance** : Viscous liquid.  
**Physical state at 20 °C** : Liquid.  
**Colour** : Colourless to light yellow.

##### 9.1.b. Odour

**Odour** : Barely perceptible.

**9.1.c. Odour threshold** : No data available.

**9.1.d. pH** : No data available.

**pH value** : 1

**9.1.e. Melting point / Freezing point** : No data available.

**Freezing point [°C]** : +/- 0°C

**9.1.f. Initial boiling point - boiling range** : No data available.

**9.1.g. Flash point** : No data available.

**Flash point [°C]** : Not applicable.

**9.1.h. Evaporation rate** : No data available.

**9.1.i. Flammability** : No data available.

**9.1.j. Explosion limits (lower - upper)** : No data available.

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**SECTION 9 Physical and chemical properties (continued)**

- 9.1.k. Vapour pressure : No data available.  
9.1.l. Vapour density : No data available.  
9.1.m. Relative density : No data available.  
Relative density, liquid (water=1) : 1.1  
9.1.n. Solubility  
Solubility in water : Complete.  
9.1.o. Partition coefficient : n-octanol / water : No data available.  
9.1.p. Auto-ignition temperature : No data available.  
9.1.q. Thermal decomposition : No data available.  
9.1.r. Viscosity : No data available.  
9.1.s. Explosive Properties : No data available.  
9.1.t. Oxidising properties : No data available.

**9.2. Other information**

No data available.

**SECTION 10 Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No data available.

- Hazardous reactions : Bases.  
Hazardous properties : May be corrosive to some metals.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials**

No data available.

- Materials to avoid : Metals.  
Strong bases.

**10.6. Hazardous decomposition products**

No data available.

**SECTION 11 Toxicological information**

**11.1. Information on toxicological effects**

- Toxicity information : Irritating to eyes, respiratory system and skin.

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**SECTION 12 Ecological information****12.1. Toxicity****12.2. Persistence and degradability**

No data available.

**Persistence - degradability**

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This product is not or does not contain a substance which is a PBT or a vPvB (consistent with annex XIII).

**12.6. Other adverse effects**

No data available.

**Ecological effects information**

: No data available.

**SECTION 13 Disposal considerations****13.1. Waste treatment methods****General**

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

**SECTION 14 Transport information****14.1. UN number**

3264

**14.2. UN proper shipping name**

: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid)

**14.3. Transport hazard class(es)****Labelling**

8

**- Limited Quantity**

: 5 L

**14.4. Packing group**

III

**14.5. Environmental hazards****14.6. Special precautions for user****Bio Services International**

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# SAFETY DATA SHEET

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### SECTION 14 Transport information (continued)

Other transport information : 1000 L  
1

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

### SECTION 15 Regulatory information

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

Ensure all national/local regulations are observed.

**Contains** : Phosphoric acid

**EEC Composition of detergents** : < 5% : - Aliphatic hydrocarbons - Non-ionic surfactants

**Other** : None.

#### 15.2. Chemical safety assessment

No data available.

### SECTION 16 Other information

**List of relevant R phrases (§ 3)** : R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.  
R22 : Harmful if swallowed.  
R34 : Causes burns.  
R36/38 : Irritating to eyes and skin.  
R41 : Risk of serious damage to eyes.  
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**List of relevant H phrases (Section 3)** : H302 - Harmful if swallowed  
H312 - Harmful in contact with skin  
H314 - Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H412 - Harmful to aquatic life with long lasting effects  
NA - Combustible liquid.

#### GHS information (for internal use only)

**Further information** : None.

GHS Category Determination according to Profile table

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- Category : SKCO-1A+ : AISE: SKIN CORROSION-Cat.1A (H314)

GHS Conventional Method Calculation

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\*\*\* GHS Specific Concentration Limits --- SCL : No substance with SCL

\*\*\* GHS Concentration Limits with cut-off : Cut-off values

\*\*\* Normal concentration limits for Very corrosive substances : No very corrosive substances present in the mixture.

• Remove all GHS cat. related to GHS cat. AEAH-3 : GHS: HAZ. AQU. ENVIR.-ACUTE-Cat.3 (H402) (ratio = 0.3104 -

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### SECTION 16 Other information (continued)

summation)

- Remove all GHS cat. related to GHS cat. AECH-3 : CLP: HAZ. AQU. ENVIR.-CHRONIC-Cat.3 (H412) (ratio = 0.3104 - summation)
- Remove all GHS cat. related to GHS cat. AECH-4 : CLP: HAZ. AQU. ENVIR.-CHRONIC-Cat.4 (H413) (ratio = 0.3104 - summation)
- Add (or keep) GHS cat.EYDA-1 : CLP: EYE DAMAGE-Cat.1 (H318) (ratio = 11.9700 - summation)
- Add (or keep) GHS cat.EYDA-2A : CLP: EYE IRRITATION-Cat.2 (H319) (ratio = 36.9770 - summation)
- Add (or keep) GHS cat.EYDA-2B : GHS: EYE IRRITATION-Cat.2B (H320A) (ratio = 36.9770 - summation)
- Add (or keep) GHS cat.SKCO-1B : CLP: SKIN CORROSION-Cat.1B (H314) (ratio = 6.2120 - summation)
- Add (or keep) GHS cat.SKCO-2 : CLP: SKIN IRRITATION-Cat.2 (H315) (ratio = 32.1270 - summation)
- Add (or keep) GHS cat.SKCO-3 : GHS: SKIN IRRITATION-Cat.3 (H315) (ratio = 10.6700 - summation)

GHS Category Determination according to experimental values - Acute Toxicity

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- AT Oral LD50 : GHS Category Determination according to experimental values - Acute and Chronic Toxicity - Aquatic environment
- AT Dermal LD50 : GHS Category Determination according to experimental values - Acute and Chronic Toxicity - Aquatic environment
- AT Inhalation LC50  
not applicable (Mixture does not generate particules, gas or vapour). No Inhalation Acute Toxicity category even if a category exists according to the Profile table.

GHS Category Determination according to experimental values - Acute and Chronic Toxicity - Aquatic environment

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- AT LC50 Environment : Not defined (category from Profile table remained, if it exists)

GHS Category Determination according to other experimental values

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none (according to experimental values)

SPECIAL CASES - according to setting

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End of document

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