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

1.1. Product identifier

Product name: EXPLOSIVES IMASS BUFFER

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

Use of substance / mixture: Running buffer for test device

1.3. Details of the supplier of the safety data sheet

Company name: BBI Detection Ltd.
Alchemy House
Tom McDonald Avenue
Dundee
DD2 1NH
United Kingdom
Tel: +44 (0) 1382 569900
Email: info@bbidetection.com

1.4. Emergency telephone number

Emergency tel: +44(0) 1382 569900
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.
Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

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:
SAFETY DATA SHEET
EXPLOSIVES IMASS BUFFER

ACETONE

<table>
<thead>
<tr>
<th>EINECS</th>
<th>CAS</th>
<th>CHIP Classification</th>
<th>CLP Classification</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-662-2</td>
<td>67-64-1</td>
<td>F: R11; Xi: R36; -: R66; -: R67</td>
<td>Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066</td>
<td>1.250%</td>
</tr>
</tbody>
</table>

TRITON X-100

|            | 9002-93-1 | Xn: R22; Xi: R36; N: R51/53 | Acute Tox. 4: H302; Eye Irrit. 2: H319; Aquatic Chronic 2: H411 | 0.500%  |

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Seek medical advice if necessary
Eye contact: Bathe the eye with running water for 15 minutes. Seek medical advice if necessary
Ingestion: Wash out mouth with water. Consult a doctor in case of complaint
Inhalation: Move to fresh air Consult a doctor in case of complaint

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

Skin contact: No data available.
Eye contact: No data available.
Ingestion: No data available.
Inhalation: No data available.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: No data available.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: no data available

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

[cont...]
SAFETY DATA SHEET
EXPLOSIVES IMASS BUFFER

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb onto appropriate spill kit material or suitable inert absorbent. Keep in suitable closed container for disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with skin or eyes

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store at 2-28oC
Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Running buffer for test devices

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ACETONE

Workplace exposure limits: Respirable dust

<table>
<thead>
<tr>
<th>State</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
<th>8 hour TWA</th>
<th>15 min. STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK</td>
<td>1210 mg/m3</td>
<td>3620 mg/m3</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Not required under normal working conditions
Respiratory protection: Respiratory protection is not required under normal use of this product
Hand protection: Nitrile gloves.
Eye protection: Safety glasses with side-shields.
Skin protection: Laboratory coat
Environmental: no data available

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
Colour: Colourless
9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No data available.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

10.4. Conditions to avoid

Conditions to avoid: No data available

10.5. Incompatible materials

Materials to avoid: No data available

10.6. Hazardous decomposition products

Haz. decomp. products: Nature of decomposition products is not known

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

**ACETONE**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>IVN</td>
<td>RAT</td>
<td>LD50</td>
<td>5500 mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>MUS</td>
<td>LD50</td>
<td>3000 mg/kg</td>
</tr>
<tr>
<td>ORL</td>
<td>RAT</td>
<td>LD50</td>
<td>5800 mg/kg</td>
</tr>
</tbody>
</table>

Toxicity values: No data available.

Symptoms / routes of exposure

- Skin contact: No data available.
- Eye contact: No data available.
- Ingestion: No data available.
- Inhalation: No data available.
- Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

[cont...]
Hazardous ingredients:

ACETONE

BLUEGILL (Lepomis macrochirus)   LC50   8300 mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

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

Section 13: Disposal considerations

13.1. Waste treatment methods

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

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

EUH066: Repeated exposure may cause skin dryness or cracking.

H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

R11: Highly flammable.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

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.