SAFETY DATA SHEET
BRITE TANK

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

1.1. Product identifier  Brite tank

1.2. Relevant identified uses of the substance or mixture and uses advised against  Scale and milkstone removal from dairy equipment

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Fullwood Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grange Road, Ellesmere</td>
<td></td>
</tr>
<tr>
<td>Shropshire</td>
<td></td>
</tr>
<tr>
<td>SY12 9DF</td>
<td></td>
</tr>
<tr>
<td>Phone Number</td>
<td>01691 627391</td>
</tr>
<tr>
<td>Fax Number</td>
<td>01691 627361</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Kilco (International) Ltd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broomhouses 2 Industrial Estate, Old Glasgow</td>
<td></td>
</tr>
<tr>
<td>Road,</td>
<td></td>
</tr>
<tr>
<td>Lockerbie, Dumfriesshire. DG11 2SD</td>
<td></td>
</tr>
<tr>
<td>Phone Number</td>
<td>+44 (0) 1576 205480</td>
</tr>
<tr>
<td>Fax Number</td>
<td>+44 (0) 1576 205483</td>
</tr>
<tr>
<td>Emergency Phone Number</td>
<td>+44 (0) 1576 205480 [UK 9am - 5pm only]</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:sds@kilco.co.uk">sds@kilco.co.uk</a></td>
</tr>
</tbody>
</table>

1.4. Emergency telephone number  +44 (0) 207 858 1228 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (1999/45/EEC) Corrosive

2.2. Label elements
Symbol (s)  C
Risk phrases  R34 Causes burns
Safety phrases  S1/2 Keep locked up and out of the reach of children.
               S23 Do not breathe fumes/spray.
               S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
               S36/37/39 Wear suitable protective clothing.
               S45 In case of accident if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. Other hazards
This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Chemical Characterisation: Phosphoric acid and low foam surfactants.

<table>
<thead>
<tr>
<th>Component</th>
<th>EINECS No:</th>
<th>CAS No:</th>
<th>% Inclusion</th>
<th>Classification</th>
<th>Concentration limits (Annex I 67/548/EEC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid</td>
<td>231-633-2</td>
<td>7664-38-2</td>
<td>&lt;35</td>
<td>C; R34</td>
<td>C; R34; C ≥ 25 %</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X1; R36/38: 10 % ≤ C &lt; 25 %</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
General advice  Remove from exposure
Eyes  Speed is essential. With eye held open, thoroughly rinse with plenty of water for at least 15 minutes. Protect unharmed eye. Continue rinsing process with saline solution. Seek medical advice immediately.
Skin  Immediately flood the skin with large quantities of water, preferably under a shower. Continue washing for at least 10 minutes. Remove contaminated clothing immediately as washing proceeds. In case of discomfort: Supply with medical care.
Ingestion  Do not induce vomiting. Seek urgent medical advice. Only if patient fully conscious - Rinse mouth with water and then drink copious amounts of water, keep the patient warm and at rest.
Inhalation  Take affected persons out into the fresh air. If breathing affected give artificial respiration and seek immediate medical advice.

Page 1 of 5  Issue Number 09  Date of issue: 20/08/2013
Replaces SDS issued 29/09/2012
4.2. Most important symptoms and effects, both acute and delayed

**Eyes**  Contact with eyes can cause severe damage.

**Skin**  Material will cause chemical burns.

**Ingestion**  Causes severe damage to mucous membranes or deeper tissues.

**Inhalation**  Concentrated mist may cause damage to the upper respiratory tract.

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

Treatment : Treat symptomatically. If in doubt or symptoms persist, seek medical advice immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

Evacuate personnel to safe areas. Keep out unprotected persons. Keep unauthorised persons away. Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure that there are sufficient retaining facilities for water used to extinguish fire. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities. Fire residues should be disposed of in accordance with the regulations. To cool, spray closed containers with water spray jet. In case of fire, remove the endangered containers and bring to a safe place, if this can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing, approved respirator, gloves, goggles etc – see section 8. Evacuate personnel to safe areas. Keep out unprotected persons. Keep unauthorised persons away.

6.2. Environmental precautions

Observe regulations on preventions of water pollution (collect, dam up, cover up) Prevent the material from entering drains or watercourses.

6.3. Methods and material for containment and cleaning up

Large spillages should be collected for disposal. Collect in suitable containers. Keep away from incompatible substances. Clean contaminated surface thoroughly – recommended cleaning agent – water. Dispose of absorbed material in accordance with the regulations. Never return spilled product into its original containers for re-use.

6.4. Reference to other sections


SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear suitable protective clothing. Avoid contact with skin, eyes and clothing. Do not inhale vapour, aerosols, and sprays. When using, avoid spray mists. Operate in a well ventilated place. For personal protection see Section 8. Handle in accordance with good industrial hygiene and safety practice. Immediately change moistened or saturated work clothes. Immediately rinse contaminated or saturated clothing with water. Never return spilled product into its original containers for re-use. Avoid impurities. Transport and store container in upright position only. Do not empty container by means of pressure.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from incompatible substances. Keep only in the original container. Keep container closed and in a clean, cool, and well ventilated place away from heat, flammable materials and intense light. Avoid residues of the product on the containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Occupational Exposure Standards</th>
<th>EH40 WEL Short Term</th>
<th>EH40 WEL TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>-</td>
<td>1 mg/m³ 8 hr</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

- **Eye / face protection**: Chemical goggles or face shield EN166
- **Hand protection**: Chemical resistant gloves. Natural rubber (NR)/ Polychloroprene (PCP). (EN 374).
- **Other**: PVC or other impermeable suit (suitable materials – PVC, neoprene, nitrile rubber (NBR), rubber). PVC or rubber boots.
- **Respiratory protection**: Ensure there is good room ventilation. Do not inhale (DUST) vapour, aerosol or mist. If ventilation is insufficient, wear respiratory protection. Respirator with type ABEK-P1 combination filter. (EN141 / EN143 or equivalent)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Colourless liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>2.00 – 3.00</td>
</tr>
<tr>
<td>Melting /freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No flammable components</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No explosive components</td>
</tr>
</tbody>
</table>

9.2. Other information

No Data

SECTION 10: Stability and reactivity

10.1. Reactivity

No data supplied

10.2. Chemical stability

No data supplied

10.3. Possibility of hazardous reactions

No data supplied

10.4. Conditions to avoid

Extremes of temperature

10.5. Incompatible materials

Reducing agents, alkalis, organic materials and chlorinated materials

10.6. Hazardous decomposition products

Oxides of Nitrogen and Hydrogen
SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity No data supplied
Irritation No data supplied
Corrosivity No data supplied
Sensitisation No data supplied
Repeated dose toxicity No data supplied
Carcinogenicity No components are classified as Carcinogenic
Mutagenicity No components are classified as Mutagenic
Toxicity for reproduction No components are classified as Toxic for reproduction

SECTION 12: Ecological information

12.1. Toxicity
No data supplied

12.2. Persistence and degradability
Readily biodegradable

12.3. Bioaccumulative potential
Product is not expected to bioaccumulate.

12.4. Mobility in soil
No data supplied

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
No data supplied

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Product disposal Dispose of in accordance with all applicable local and national regulations.
Container disposal Contaminated, empty containers must be disposed of as chemical waste. Residual chemical should be disposed of by incineration or by other modes of disposal in compliance with local legislation

SECTION 14: Transport information

14.1. UN number 1760
14.2. UN proper shipping name Corrosive Liquid NOS (Contains Phosphoric acid)
14.3. Transport hazard class(es) 8
14.4. Packing group III
14.5. Environmental hazards Not Marine Pollutant
14.6. Special precautions for user Not applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
SAFETY DATA SHEET
BRITE TANK

Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
HSE Guidance Note EH40 2007
The European Agreement Concerning the Carriage of Dangerous Goods by Road (ADR), 2009 Edition.
Safety Data Sheets provided by suppliers of component substances.

15.2. Chemical safety assessment
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Note: Sections in italics indicate significant changes from the previous version
Full text of R phrases from section 3.
R8 Contact with combustible material may cause fire
R34 Causes burns
R35 Causes severe burns

Training advice.
Those who are employed in the use of this product must be given training which highlights the need to handle and use it only in the recommended manner and at all times make use of the prescribed personal protective equipment.

Recommended restrictions on use.
This product should be stored and handled in accordance with guidance given above and used only in the recommended manner and in conformity with any legal requirements

This safety data sheet has been supplied in accordance with the requirements of Article 31 of Regulation EC No 1907/2006 (the REACH regulation) and the information contained herein is displayed in the order prescribed in Annex II to that regulation, as amended 2010. Its purpose is to facilitate the carrying out of a risk assessment. Employers are reminded of their duty to carry out such an assessment and subsequently to provide an appropriate working environment, to make available to those who are required to use this product all necessary personal protective equipment and to ensure that such equipment is used.

The safety data sheet is additional to the technical data sheet but does not replace it. The information given herein is to the best of our knowledge correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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