SAFETY DATA SHEET
FAM 30

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

1.1. Product identifier

Product name    FAM 30
Product number  R067 EV
Internal identification  Livestock

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

Identified uses  Acidic based Iodine disinfectant for animal hygiene.

1.3. Details of the supplier of the safety data sheet

Supplier
Evans Vanodine International
Brierley Road
Walton Summit
Preston. UK. PR5 8AH
Tel: 01772 322 200
Fax: 01772 626 000
qclab@evansvanodine.co.uk

1.4. Emergency telephone number

Emergency telephone  New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website www.evansvanodine.co.uk) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)
Physical hazards  Not Classified
Health hazards  Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards  Not Classified

2.2. Label elements

Pictogram

Signal word  Danger
Hazard statements  H314 Causes severe skin burns and eye damage.
FAM 30

**Precautionary statements**

- **P102** Keep out of reach of children.
- **P260** Do not breathe mist.
- **P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.
- **P301+P330+P331 IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.
- **P303+P361+P353 IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- **P304+P340 IF INHALED:** Remove person to fresh air and keep comfortable for breathing.
- **P305+P351+P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **P315** Get immediate medical advice/ attention.
- **P501** Dispose of contents/ container in accordance with local regulations.

**Contains**

SULPHURIC ACID, PHOSPHORIC ACID

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS number</th>
<th>EC number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ALCOHOL (C9-11) ETHOXYLATE (8EO)</strong></td>
<td>68439-45-2</td>
<td>231-639-5</td>
<td>20-25%</td>
</tr>
<tr>
<td><strong>SULPHURIC ACID</strong></td>
<td>7664-93-9</td>
<td>231-639-5</td>
<td>5-10%</td>
</tr>
<tr>
<td><strong>PHOSPHORIC ACID</strong></td>
<td>7664-38-2</td>
<td>231-633-2</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

**Classification**

- **Acute Tox. 4 - H302**
- **Eye Dam. 1 - H318**
- **Skin Corr. 1A (H314) ≥ 15 %, Skin Irrit.2 (H315) >5% <15 %, Eye Irrit. 2 (H319) >5%<15%**
- **Skin Corr. 1B (H314) ≥ 25%, Skin Irrit. 2 (H315) >10% <25%, Eye Irrit. 2 (H319) >10%**

Skin Corr. 1A - H314
Eye Dam. 1 - H318
FAM 30

IODINE
CAS number: 7553-56-2
EC number: 231-442-4
M factor (Acute) = 1

Classification
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
Inhalation
Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.

Skin contact
Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed
General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause chemical burns in mouth and throat.

Skin contact
Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye contact
Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters
FAM 30

**Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

6.2. Environmental precautions

**Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up**

Flush away spillage with plenty of water. Small Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

**Reference to other sections**

For personal protection, see Section 8.

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**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

**Usage precautions**

Wear protective clothing, gloves, eye and face protection.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials.

7.3. Specific end use(s)

**Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**Usage description**

See Product Information Sheet & Label for detailed use of this product.

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**SECTION 8: Exposure Controls/personal protection**

8.1. Control parameters

**Occupational exposure limits**

**SULPHURIC ACID**

Long-term exposure limit (8-hour TWA): WEL 0.05 mg/m³
Short-term exposure limit (15-minute): WEL

**PHOSPHORIC ACID**

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³
Short-term exposure limit (15-minute): WEL 2 mg/m³

**IODINE**

Short-term exposure limit (15-minute): WEL 0.1 ppm 1.1 mg/m³
WEL = Workplace Exposure Limit

8.2. Exposure controls

**Protective equipment**

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**Appropriate engineering controls**
This product must not be handled in a confined space without adequate ventilation.

**Eye/face protection**
The following protection should be worn: Chemical splash goggles or face shield.

**Hand protection**
Wear protective gloves. Polyvinyl chloride (PVC).

**Other skin and body protection**
Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection**
Respiratory protection not required.

### 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><strong>Appearance</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Clear. Dark brown</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Faint surfactant / Faint Iodine</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>pH (concentrated solution): 0</td>
</tr>
<tr>
<td><strong>Melting point</strong></td>
<td>-2°C</td>
</tr>
<tr>
<td><strong>Initial boiling point and range</strong></td>
<td>102°C @ 760 mm Hg</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Boils without flashing.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>1.170 @ 20°C</td>
</tr>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>

#### 9.2. Other information

| Other information         | None                                       |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

| Reactivity               | Reacts with alkalis and generates heat.    |

#### 10.2. Chemical stability

| Stability                | No particular stability concerns.         |

#### 10.3. Possibility of hazardous reactions

| Possibility of hazardous reactions | See sections 10.1, 10.4 & 10.5 |

#### 10.4. Conditions to avoid

| Conditions to avoid         | Avoid exposure to high temperatures or direct sunlight. |

#### 10.5. Incompatible materials

| Materials to avoid          | Aluminium, Tin, Zinc and their alloys. Strong alkalis. Chlorine releasing materials will liberate toxic chlorine gas. Oxidising agents as iodine vapour may be evolved. |

#### 10.6. Hazardous decomposition products

| Hazardous decomposition products | When heated, vapours/gases hazardous to health may be formed. |

### SECTION 11: Toxicological information
FAM 30

11.1. Information on toxicological effects

Toxicological effects

Figures quoted below were from ATE (Acute Toxicity Estimate) Calculation Methods using LD50 or ATE figures provided by the raw material manufacturer.

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.
ATE oral (mg/kg) 4,131.78307724

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.
ATE dermal (mg/kg) 50,179.98560384

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l) 387.35427484

SECTION 12: Ecological Information

Ecotoxicity
The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity
Toxicity
No Aquatic Toxicity Data for this product. Any data for ingredients with aquatic toxicity provided by the raw material manufacturer can be made available on request.

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

12.3. Bioaccumulative potential
Bioaccumulative potential
The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil
Mobility
Not known.

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

12.6. Other adverse effects
Other adverse effects
Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal methods
Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

14.1. UN number
UN No. (ADR/RID) 3264
FAM 30

UN No. (IMDG) 3264
UN No. (ICAO) 3264

14.2. UN proper shipping name

| Proper shipping name (ADR/RID) | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid & phosphoric acid solution) |
| Proper shipping name (IMDG) | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid & phosphoric acid solution) |
| Proper shipping name (ICAO) | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (sulphuric acid & phosphoric acid solution) |

14.3. Transport hazard class(es)

| ADR/RID class | Class 8 : Corrosive Substances. |
| ADR/RID label | 8 |
| IMDG class | Class 8: Corrosive substances. |
| ICAO class/division | Class 8: Corrosive substances. |

Transport labels

14.4. Packing group

| ADR/RID packing group | II |
| IMDG packing group | II |
| ICAO packing group | II |

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

| EmS | F-A, S-B |
| Tunnel restriction code | (E) |

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

SECTION 15: Regulatory information

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

EU legislation

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

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FAM 30

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Abbreviations and acronyms used in the safety data sheet</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic substance.</td>
</tr>
<tr>
<td>vPvB: Very Persistent and Very Bioaccumulative.</td>
</tr>
<tr>
<td>ATE: Acute Toxicity Estimate.</td>
</tr>
<tr>
<td>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</td>
</tr>
<tr>
<td>IMDG: International Maritime Dangerous Goods.</td>
</tr>
<tr>
<td>GHS: Globally Harmonized System.</td>
</tr>
<tr>
<td>Spec Conc Limits = Specific Concentration Limits.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification abbreviations and acronyms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. = Acute toxicity</td>
</tr>
<tr>
<td>Aquatic Acute = Hazardous to the aquatic environment (acute)</td>
</tr>
<tr>
<td>Eye Dam. = Serious eye damage</td>
</tr>
<tr>
<td>Eye Irrit. = Eye irritation</td>
</tr>
<tr>
<td>Skin Corr. = Skin corrosion</td>
</tr>
<tr>
<td>Skin Irrit. = Skin irritation</td>
</tr>
<tr>
<td>STOT SE = Specific target organ toxicity-single exposure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Key literature references and sources for data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&amp;L Inventory database.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Classification procedures according to Regulation (EC) 1272/2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculation Method.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Revision comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&amp;16)</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>17/11/2017</td>
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<table>
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<tr>
<th>Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
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</tbody>
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<table>
<thead>
<tr>
<th>SDS status</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazard statements in full</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302 Harmful if swallowed.</td>
</tr>
<tr>
<td>H312 Harmful in contact with skin.</td>
</tr>
<tr>
<td>H314 Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H315 Causes skin irritation.</td>
</tr>
<tr>
<td>H318 Causes serious eye damage.</td>
</tr>
<tr>
<td>H319 Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332 Harmful if inhaled.</td>
</tr>
<tr>
<td>H335 May cause respiratory irritation.</td>
</tr>
<tr>
<td>H400 Very toxic to aquatic life.</td>
</tr>
</tbody>
</table>