



SAFETY DATA SHEET

FAM 30 [BPR]

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

1.1. Product identifier

Product name	FAM 30 [BPR]
Product number	R067 EV
Internal identification	Livestock
Synonyms; trade names	BPR Authorisation numbers: UK: UK-2019-1179-02 / Ireland: IE/BPA 70448-02-001 / Malta: 2019-09-24-B02

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

Identified uses	Disinfectant for materials and surfaces associated with the housing or transportation of animals.
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1.3. Details of the supplier of the safety data sheet

Supplier	Evans Vanodine Europe 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.
Manufacturer	Evans Vanodine International plc Brierley Road Walton Summit Preston. UK. PR5 8AH Tel: 01772 322 200 R and D Lab e-mail: rnd@evansvanodine.co.uk

1.4. Emergency telephone number

Emergency telephone	New Safety Data Sheets - 01772 322 200 - Mon to Thur. 8.30am to 4.30pm - Fri 8.30am to 1.30pm (Also available 24/7 from our website www.evansvanodine.co.uk) Technical Advice - 01772 318 818 - Mon to Thur 8.30am to 4.45pm - Fri 8.30am to 1.30pm
National emergency telephone number	For Health Care Professionals only - For use in UK: Contact the National Poisons Information Service for further advice. For use in Southern Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 2 - H411

2.2. Label elements

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PHOSPHORIC ACID	5-10%
CAS number: 7664-38-2	EC number: 231-633-2
Spec Conc Limits :- Skin Corr. 1B (H314) ≥ 25%, Skin Irrit. 2 (H315) >10% <25%, Eye Irrit. 2 (H319) >10%	
Classification	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	

IODINE	1-3%
CAS number: 7553-56-2	EC number: 231-442-4
M factor (Acute) = 1	
BPR +H410, M factor (Chronic) =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.
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SECTION 5: Firefighting measures

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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

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

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 Small Spillages: Flush away spillage with plenty of water. Large 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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Advice on general occupational hygiene Cover feed and water troughs during product application.

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. Keep away from food, drink and animal feeding stuffs.

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.

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

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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****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

To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear protective clothing. (a protective coverall at least type 4, EN 14605).

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

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

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	Reacts with alkalis and generates heat.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See sections 10.1, 10.4 & 10.5
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10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid Aluminium, Tin, Zinc and their alloys. Concentrated alkaline materials. 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**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) 4,131.78

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 50,179.99

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 387.35

Skin corrosion/irritation

Skin corrosion/irritation Not applicable.

Serious eye damage/irritation

Serious eye damage/irritation Not applicable.

Respiratory sensitisation

Respiratory sensitisation Not applicable.

Skin sensitisation

Skin sensitisation Not applicable.

Germ cell mutagenicity

Genotoxicity - in vitro Not applicable.

Carcinogenicity

Carcinogenicity Not applicable.

Reproductive toxicity

Reproductive toxicity - fertility Not applicable.

Specific target organ toxicity - single exposure

STOT - single exposure Not applicable.

Aspiration hazard

Aspiration hazard Not relevant.

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General information The "Not Applicable" assigned in this section is due to the fact that the Classification is done by the "Calculation Method" and not by animal testing so have no figures to quote in this section.

SECTION 12: Ecological information

Ecotoxicity BPR = Toxic to aquatic life with long lasting effects. 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(comply) 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 At the end of the treatment used solutions can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an on-site waste water treatment plant.
Dispose unused product and the packaging in accordance with local and/or national requirements. Avoid release to an on-site waste-water treatment plant.

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

UN No. (ADR/RID) 3264

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)

FAM 30 [BPR]**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	Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006). 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. REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products. [BPR]
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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

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Abbreviations and acronyms used in the safety data sheet	<p>PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. ATE: Acute Toxicity Estimate. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. IMDG: International Maritime Dangerous Goods. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. GHS: Globally Harmonized System. Spec Conc Limits = Specific Concentration Limits. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). BPR: Biocidal Product Regulation</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity Aquatic Acute = Hazardous to the aquatic environment (acute) Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation STOT SE = Specific target organ toxicity-single exposure</p>
Key literature references and sources for data	<p>Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.</p>
Classification procedures according to Regulation (EC) 1272/2008	<p>Calculation Method. Plus BPR imposed H & P statements.</p>
Revision comments	<p>SDS Issued to match BPR (Biocidal Products Regulation) Text and Classification.</p>
Revision date	<p>17/02/2020</p>
Revision	<p>1</p>
SDS status	<p>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.</p>
Hazard statements in full	<p>H290 May be corrosive to metals. 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. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.</p>