

FAM 30 IN SUMMARY

- Effective against a very wide variety of pathogens found in bovine, swine and equine.
- Perfect for multiple use solutions like boot dips and wheel baths.
- Excellent all-round farm disinfection.
- Less corrosive and safer on metals than peroxygen-based disinfectants.
- Controlled release of iodine via surfactant for long-lasting disinfection.
- Not a respiratory sensitiser like glutaraldehyde products.
- Very stable in solution – pre-made solutions can be used for up to 4 weeks.
- 50+ years of development history and success around the world.
- Shelf life of the concentrate is 3 years.
- Shelf life of pre-diluted solutions for spraying/foaming is 4 weeks.



In the UK FAM 30 is approved by DEFRA/DAERA under The Diseases of Animals Act for use in the event of a notifiable disease outbreak at the following dilutions.

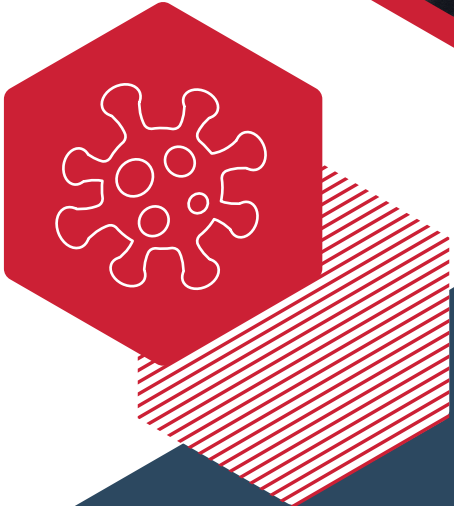
Diseases of Poultry order	1:65
Foot and Mouth order	1:550
General orders	1:49
Swine Vesicular order	1:100
Tuberculosis order	1:14

DEFRA/DAERA dilution rates should be used for disinfection during notifiable disease outbreaks; at all other times, the **BPR** dilution rates should be used.

FAM 30

THE WORLD'S NO 1

IODINE DISINFECTANT



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FAM 30

THE WORLD'S NO 1 IODINE DISINFECTANT

FAM 30 is the original formulated iodine-based livestock disinfectant, developed by Evans Vanodine chemist and director Derek Evans in response to the devastating Foot & Mouth outbreak in 1967, hence the name FAM.

Over its 50-year history FAM 30 has been reformulated and enhanced to include efficacy against a wide range of pathogens across multiple animal sectors. Today, FAM 30 is recognised as the leading iodophor livestock disinfectant in the world for biosecurity protocols and comprehensive farm and livestock disinfection.



WHY IS FAM 30 DIFFERENT FROM OTHER DISINFECTANTS?

- The original livestock disinfectant of its type.
- Authorised by the Biocidal Products Regulation (BPR) at 1:100 dilution rate making 2,500 litres from 25L of FAM 30.
- DEFRA/DAERA approved for all Orders: Foot and Mouth, Swine Vesicular, Poultry, Tuberculosis, General Orders.
- Proven to penetrate and disinfect inside absorbent surfaces, including concrete.
- Contains a uniquely high content of surfactant, which drives iodine inside pathogens leading to high performance.
- Via clusters of surfactant molecules called micelles, iodine is released into solution to attack pathogens as and when needed. This leads to proven longer-lasting performance in reusable solutions like boot dips compared to competitors.
- An acid complex in the formulation removes water hardness salts so it is effective even in very hard water.
- Passes EN method microbiological testing under high soiling conditions.
- Ideal as a foaming disinfectant; industry-leading surface coverage, adherence, and visibility.



HOW DO WE PROVE THAT IT WORKS?



On site Microbiology laboratory accredited to ISO EN 10725 (UKAS number 1108).



Tests are carried out using European Standard (EN) methods that Evans must follow to maintain its accreditation.



For certain tests including virus testing, independent laboratories are used.



Testing leads to an approved 'dilution rate'. This shows at what point of dilution the product will successfully reduce and kill pathogens.



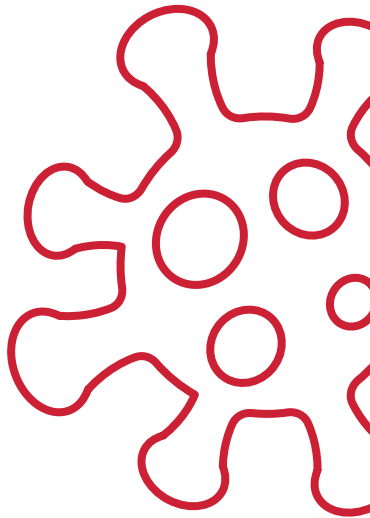
Field trials and tests of farm surfaces after cleaning and disinfection show how effective the product is in the field.



FAM 30 has been authorised by the Biocidal Regulation (BPR) as well as in dozens of countries around the world where data requirements are strict.

WHY DOES FAM 30 CONTAIN IODINE?

- Iodine is bactericidal, fungicidal, and virucidal. It is a naturally occurring element used in a range of disinfection applications. However, FAM 30 is significantly different to disinfectants used on human skin due to the type of iodine used and several added ingredients.
- It is a powerful disinfectant, which is very well matched with surfactant (surface active agent). Surfactant allows the iodine to penetrate surfaces and organic material where pathogens are present and harder to kill.
- As an oxidising agent, iodine reacts quickly to kill pathogens fast.
- Its brown colour in solution acts as an identifier and it is not as corrosive as other disinfectants, such as peroxygen-based ingredients.
- FAM 30 only contains elemental iodine, and not the less effective PVP-iodine.



IS FAM 30 CORROSIVE?
The short answer is no



BUT WHAT DOES CORROSIVE MEAN?

Our in-house Research and Development (R&D) laboratory used an adapted method of the UN 37.4 test method to determine whether corrosion occurred on a variety of surfaces. According to these guidelines, a substance is considered non-corrosive if it results in a mass loss of less than 13.5% after 7 days of exposure.

The table below summarises the results of our corrosion tests on different materials after a 7 day exposure to FAM 30 at a dilution of 1% v/v, immersed at 40°C.

Type of surface	Mass loss%	Corrosion rate mm/yr	Test result
Steel	0.477	1.185	Negative
Aluminium	0.398	0.182	Negative
Stainless Steel	0	0	Negative
Galvanised Steel	0.127	0.045	Negative

As the mass loss was significantly below the threshold defined by the UN guidelines, FAM 30 at 1% v/v is not considered corrosive. However, while the results show no corrosion, discolouration on softer materials can occur after long-term exposure.

It should be noted that in a real-world scenario, the chemical would not have this level of prolonged contact with the surface, so the corrosion rate is likely to be lower than that observed in the test.