Lufthansa Cargo Facts & Figures

Lufthansa Cargo
7 Boeing 777 Freighter
7 MD 11 Freighter
**Lufthansa Cargo Facts & Figures**

**Lufthansa Cargo’s Animal Lounge** in Frankfurt is the world’s most modern airport animal facility.

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network</td>
<td>440 stations</td>
</tr>
<tr>
<td>Horses</td>
<td>2,400</td>
</tr>
<tr>
<td>Ornamental Fish</td>
<td>80 Mio</td>
</tr>
<tr>
<td>Zoo Animals</td>
<td>150</td>
</tr>
<tr>
<td>Dogs &amp; Cats</td>
<td>18,000</td>
</tr>
</tbody>
</table>
Why does Lufthansa Cargo need a Process for Animal Disease

- Lufthansa Cargo transports animals and goods around the world
- No global SOPs for the disinfection of cargo aircraft and compartments in place that have transported animals infected with pathogens
- German Federal Ministry of Food and Agriculture released the new Animal Health Act for the prevention of animal diseases and animal epidemics
- African Swine Fever (ASF), BSE - Bovine Spongiforme Enzephalopathie, Blue Tongue, Avian Influenza are the worldwide main disease
- High risk of spreading animal diseases by air transport

“animal diseases do not stop at national borders”
Challenges to identify an Appropriate Disinfectant

- Aircraft must be cleaned and disinfected in all affected areas even if they are not easy to access
- Disinfectants can cause serious damage to the materials used to manufacture aircrafts
- LHT tested disinfectants for their suitability in these highly challenging situations
- Acid-based disinfectants, especially in high concentrations, may result in serious damage, such as corrosion, to a plane’s electrical supply system or wiring.
- It is imperative to ensure that the use of a disinfectant has no negative effect on any of the materials used in the construction of the aircraft.

No impact of airworthiness
Approved Disinfectant

3.1. Disinfectants overview

Following disinfection-agents are approved by Lufthansa Technik AG and international requirements. Please mark the disinfectant to be used in the following overview:

<table>
<thead>
<tr>
<th>Type of Disinfectant</th>
<th>LH</th>
<th>LCAG</th>
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<tbody>
<tr>
<td>Aldasan 2000</td>
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<tr>
<td></td>
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</tbody>
</table>

- Formaldehyde based solution

Scope of application: All surface and immersion disinfection with mechanical activity for all solid materials.

Properties: Bactericidal, virucidal against enveloped viruses, virucidal

- Due to regional requirements, Lufthansa Cargo as German Carrier is limited to Disinfectant listed on DVG List (German Veterinary Medical Society)

- Lufthansa material tested several Disinfectant to ensure safe use in A/C
- Only one Disinfectant fullfills material requirements
Lufthansa Cargo Process for Animal Disease
Aircraft Desinfection
Animal Disease Measure - Form (ADM)

- Lufthansa's ADM Form includes various certificates for authorities and disinfectors on which the disinfection is certified and the authority certifies the possible pathogen.
- This Certificates contain on Board of our A/C and will be archived with the A/C documentation.
- The ADM Form also contains a detailed description how to perform the disinfection.
Thank you for your attention

Claudius Haase
Senior Manager Global Handling Special Processes
Claudius.Haase@dlh.de
+49 151 589 28 926