

iCloth® AVIONICS

We make better wipes,
because the future of aviation
has your fingerprints all over it.

SPECIALISTS IN CLEANING

SENSITIVE OPTICS • TOUCHSCREEN DISPLAYS • AVIONICS
INDIVIDUALLY-WRAPPED PREMOISTENED WIPES

Evaluation Package 2018
Devonshire Industries, Ltd.

Contact Us:
+1 877-631-4111
sales@iclothproducts.com
www.iclothproducts.com

THE BASICS

iCloth® products have an exciting and proud history that goes from making wipes for glasses in 2001 to developing high-quality cleaning solutions for the aviation industry, one of the most demanding businesses out there. The iCloth Avionics brand was specially developed for the demands of the aviation industry where clear IFE screens, flight deck displays and touchscreens can make a huge difference for the pilot to fly safely or the passenger to enjoy great onboard entertainment.

Our proprietary cleaning solution easily removes lint, dirt, electrostatic dust and fingerprints, and cleans safely without damaging any of your expensive equipment. All while preventing the build-up of lint and dust.

SAFETY FIRST

Our exclusive formula meets or exceeds required cleaning specifications made by big OEM like Honeywell Aerospace, Thales Avionics, Rockwell Collins, and BF Goodrich Aerospace, and is used on aircraft manufactured by Airbus, Boeing, Embraer and Bombardier.

Don't worry, iCloth Avionics does NOT contain any dangerous and damaging NPEs, ethyl alcohol, silicone or ammonia. You'll want to avoid those, especially on a plane.

You can learn more about iCloth Avionics industry standards approvals on this article.

[Article about approvals is missing, but VERY important]



ENDORSEMENTS

Our product is recommended by these companies:



— “Avidyne recommends the iCloth as a great way to keep your IFD540 & IFD440 hybrid touch screens clean and smudge-free. We recommend iCloth for all your other Avidyne displays as well.”
- Tom Harper, Marketing Director, Avidyne Corporation.



— “We recommend the iCloth Avionics brand as the surest way to keep Dynon Avionics screens residue and smudge-free.”
- David DeLong, Customer Manager, Dynon Avionics.



— “As the pilot for Seattle Avionics, I fly with up to 8 iPads while flight testing our FlyQ EFB app. I use iCloth to keep the iPads’ touchscreens responsive to touch input.”
- Keith Russo, Vice President, Seattle Avionics.

Other companies that recommend us:



SOME USER REVIEWS

"I started iCloth on Embraer 190 then I tried it on A320 and most recently on the B767. All great."

- Germenio
amazon.com



"No dripping or streaking, just a clean surface after wiping."

- David Johnson
amazon.com



"I've used iCloth extensively in a major airline flightdeck environment. You name it, iCloth cleans it."

- PCars58
amazon.com



"The best screen wipes I have ever used."

- Darklester
amazon.com



"I tried these, then tried another brand, hen came back to these. I love them, They're just right. A trustworthy products."

- H. Quinn
amazon.com



"I absolutely love these cleaning wipes, I use them all the time... highly recommend."

- Samcro
grandandtoy.com



7 WAYS iCloth® DIFFERS FROM OTHER PRODUCTS OUT THERE

OTHER PRODUCTS

1. Wipes in pop-up canisters tend to dry out.
2. Lower-quality and wood pulp paper products can scratch and/or break down on the surface leading to costly re-working.
3. Dry microfiber cloths tend to buff grime to a shine rather than remove it, and whatever grime is removed from the surface remains on that microfiber cloth. And washing them is impractical (no regular/harsh detergents or fabric softeners).
4. Spraying and wiping involve two steps, more time and sometimes a mess.
5. Bottles of spray liquid are inconvenient to carry with you on a day-to-day basis and are prone to spills and mess.
6. Other brands may not be focused solely on cleaning products, less alone on the aviation industry demands.
7. Other brands are typically made overseas.

iCloth®

iCloth is hermetically-sealed in individual packs, keeping the moist in.

iCloth is made with ultra-soft fabric specially engineered for aviation manufacturing and maintenance (no glues or residues that can break down.)

iCloth disposable wipes come premoistened with just enough liquid to break down contaminants and reabsorb them back into the cloth. You don't have to deal with multicolored smelly cloths

iCloth works in an instant.

iCloth wipes come individually packaged, ready for use anywhere and perfect for travel.

iCloth benefits from more than a decade of focused research and testing. We have perfected our formula and guarantee great results.

iCloth quality components and manufacturing are made 100% in the USA in a medical-grade facility.



THE iCloth® DIFFERENCE

1



GENTLE ON SENSITIVE OPTICS

Ultra soft, non linting aerospace-grade fabric
No wood pulp
Will not scratch or damage optical surface
Sourced & Manufactured in USA

2



NO HARMFUL CHEMICALS

Purified-water based formula
Contains isopropyl alcohol and less than 1% surfactants.
No damaging chemicals like ethyl alcohol, NPE's, ammonia
Aerospace-Approved (Boeing D6-7127 Revision P)

3



FAST. EASY. CONVENIENT

Individually-wrapped
Designed for convenience - fast, easy, one-time use
Ideal for on the go, office, home
Very good value for quality

4



NEXT GEN FLIGHT DECK TOOL

Safe on polycarbonate, glass, plastics, special coatings
Clean all tablets, flightdeck instruments, handheld devices, GPS, eyewear
Quickly remove residue, smears, dirt, smudges, dust.



BY THE NUMBERS

1000s
Of aircraft
currently using
iCloth Avionics
wipes in their
flightdecks

+20K
COMMERCIAL
FLIGHTS
PER DAY

15
YEARS
IN
BUSINESS

OVER
1
MILLION
CUSTOMERS

200
MILLION
Wipes sold
throughout
the US and
Canada



How the makers of iCloth Avionics got involved in the Aerospace Industry

We had been designing cleaning products for sensitive optics for customers in manufacturing, photography, science, and other markets. Our specialty is optical clarity on sensitive surfaces such as polycarbonate lenses, touch screen displays, acrylics, and coated lenses. These surfaces are generally physically strong but easily damaged by traditional cleaning methods and formulations.

A major airline was rolling out a new in-flight entertainment system for use by its passengers. These were newfangled touchscreen displays with interactive games and videos. If I remember correctly, the cost was around \$50,000 per seat, installed. It wasn't until after the first plane had been fully outfitted that they realized the screens would get filthy on a daily basis and they had nothing to clean them with.

Some of their pilots had been requesting they buy our product for use on the flight deck, so they were aware of us. We received a call and rushed in to do onboard testing. As our product was engineered for exactly this kind of cleaning, it worked perfectly. That was nine years ago, we have been supplying them our cleaning products ever since.

Peter Hartlen VP & GM | Devonshire Industries, Ltd.



WHERE TO BUY

If you want to find out about our Distributor, Reseller, and Promotional Programs, including special pricing options for Flight Schools, [click here](#) and let us know how can we help you, you'll hear from us shortly.

Interested in buying in bulk?
Just contact us here:

+1 877-631-4111
sales@iclothproducts.com

Still not convinced? For a limited time, we are offering a free sampling program to all pilots, aircraft maintainers or owners. Just head to the next link and fill up a simple form, we will contact you shortly.

[Working on the form free
sampling program]



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

1.1 Product identifier

Trade name: **iCloth Regular - Wet Wipes**

Substance name: **iCloth Regular - Wet Wipes**

Identification numbers

CAS no.: -

EC no.: -

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

Potential use as a cleaner and protector for wide range of electrical equipment and different kind of surfaces.

Uses advised against

No data available.

Reference to relevant exposure scenarios

For an overview of the exact titles of the relevant exposure scenarios please refer to section 16 of this SDS.

1.3 Details of the supplier of the safety data sheet**Address**

Company name: **Devonshire Industries Ltd.**

16641 Hymus Blvd, Kirkland, QC H9H4R9

Telephone: +1.877.631.4111

Contact Person: Peter Hartlen

Web: <http://iclothproducts.com/>

1.4 Emergency telephone number

Within USA & Canada: +1.800.424.9300 CCN693143

Outside USA & Canada: +1.703.527.3887 (collect calls accepted)

24 Hour Emergency Response

American Association of Poison Control Centers

+1.800.222.1222 (Staffed 24/7)



SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with: Regulation (EC) No 1272/2008 (CLP), US Regulation 29 CFR 1910.1200 (HazCom2012)

Legal Remark (U.S.A.)

Safety Data Sheets are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR Subpart 1910.1200. Classification for **iCloth Regular** is exempted according to classification criteria described in Chapter VIII.7.

Legal remark (EU)

iCloth Regular is exempted according to classification criteria under REGULATION (EC) No 1272/2008 ANNEX I 2.7.2.

2.2 Label elements

Hazard pictograms: NONE

Product identifier

iCloth Regular

Signal word: NONE

Precautionary statements

NONE

2.3 Other hazards

No data available.





SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical characterization

Substance name: **iCloth Regular****3.2 Mixtures**

Ingredients	Classification	Pictograms	CAS No	EC No	% (by weight)
Propan-2-ol	H225 (Category 2) - Highly flammable liquid and vapour H319 (Category 2) - causes serious eye irritation H336 (Category 3) - may cause drowsiness or dizziness	 	67-63-0	200-661-7	< 23 ppm

* The material consists of further ingredients determined not to be hazardous



SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

No special precautions required.

After inhalation

None under normal use.

Serious Inhalation: Not available.

After skin contact

None under normal use. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

After eye contact

Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

After ingestion

No special precautions required.

Serious Ingestion: Not available.

4.2 Most important symptoms and effects, both acute and delayed**Symptoms**

Not to be expected. Slight irritation, allergies.

Effects

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.



SECTION 5: Firefighting measures**5.1 Extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

None.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for firefighters

Wear full protective suit. Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Cool endangered containers.

SECTION 6: Accident release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

No special precautions required.

For emergency responders

No special precautions required.

6.2 Environmental precautions

Do not allow to enter drains or waterways. Do not flush into surface water or sanitary system.

6.3 Methods and material for containment and cleaning up

Pick up with hand.

6.4 Reference to other sections

Information regarding waste disposal, see chapter 13.



SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

Do not rub into eyes. Not for internal use. Not for human use.

General protective and hygiene measures

Avoid contact with eyes. Do not inhale vapours. Keep away from foodstuffs and beverages.

Advice on protection against fire and explosion

No data available.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Wet Wipes are hermetically sealed in a foil structure. Storage: cool and dry

Requirements for storage rooms and vessels

Keep only in the original packaging.

Advice on storage assembly

Do not store together with oxidizing agents.

7.3 Specific end use(s)

No data available.



SECTION 8: Exposure controls/personal protection**8.1 Control parameters - Occupational exposure limit values**

No control is necessary if the product is used in a normal way. Product is safe for its intended use.

8.2 Exposure controls**Appropriate engineering controls**

None.

Personal protective equipment**Respiratory protection**

Not required. Product is not dangerous. No hazard may be raised by the normal use of product.

Eye / face protection

Not required. Product is not dangerous. No hazard may be raised by the normal use of product.

Hand protection

Not required. Product is not dangerous. No hazard may be raised by the normal use of product.

Other

No data available.

Environmental exposure controls

No data available,



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance (physical state, color, etc.): Solid. Pulp and Polyester base. White.

Upper/lower flammability or explosive limits: Not applicable.

Odor: Characteristic.

Vapor pressure: N/A

Vapor density: N/A

pH: N/A

Density: N/A

Melting point/freezing point: N/A

Solubility(ies): Not soluble in water.

Initial boiling point and boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability (solid, gas): Yes.

Partition coefficient: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

9.2 Other information

No data available



SECTION 10: Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

No data available.



SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product is safe for its intended use based on the formulation, testing results, and the long history of safe consumer use.

Acute oral toxicity.

Not to be expected. No data available.

Acute dermal toxicity.

Not to be expected. No data available.

Acute inhalation toxicity.

Not to be expected. No data available.

Skin corrosion/irritation.

Not to be expected. No data available.

Serious eye damage/irritation.

Not to be expected. No data available.

Respiratory or skin sensitization.

Not to be expected. No data available.

Germ cell mutagenicity.

Not to be expected. No data available.

Reproduction toxicity.

Not to be expected. No data available.

Carcinogenicity.

Not to be expected. No data available.

STOT – single exposure.

Not to be expected. No data available.

STOT – repeated exposure.

Not to be expected. No data available.

Aspiration hazard.

Not to be expected. No data available.



SECTION 12: Ecological information

12.1 Toxicity**Toxicity to fish (acute)**

Not determined.

Toxicity to fish (chronic)

Not determined.

Toxicity to Daphnia (acute)

Not determined.

Toxicity to Daphnia (chronic)

Not determined.

Toxicity to algae (acute)

Not determined.

Toxicity to algae (chronic)

Not determined.

Bacteria toxicity

Not determined.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

None.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

None.

12.6 Other adverse effects

No data available.

12.7 Other information

Do not flush into aquatic environment or drains.



SECTION 13: Disposal consideration**13.1 Waste treatment methods****Product**

This material, as supplied, is a not hazardous waste according to federal regulations (40 CFR 261). The material could become hazardous if it is mixed with or otherwise comes into contact with a hazardous waste, if chemical additions are made to this material or if the material is processed or otherwise altered. Consult 40 CFR 251 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional or local regulations for additional requirements.

Packaging

Dispose of as household waste.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Not classified.

14.2 Transport IMDG

Not classified.

14.3 Transport ICAO-TI / IATA

Not classified.

14.4 Other information

No data available.

14.5 Environmental hazards

None.

14.6 Special precautions for user

No data available.

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

Not classified.



SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations**

Dangerous Substances Directive 67/548/EEC or Dangerous Preparations Directive, 1999/45/EC or classified as hazardous under the CLP Regulation (EC) No 1272/2008;

US and Canada regulations

29 CFR 1910.1200 (HazCom2012)

Workplace Hazardous Materials Information System 2015

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information**Further information**

The information is based on our current knowledge however it does not represent a guarantee of product properties nor does it create any legal obligation. This "Safety Information" is provided as a service to our customers. The details presented are in accordance with our present knowledge and experiences.

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP); EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU
US Regulation 29 CFR 1910.1200 (HazCom2012); WHMIS 2015; National Threshold Limit Values of the corresponding countries; Transport regulations according to ADR, RID, IMDG, IATA; AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

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We are waiting for you.
iclothproducts.com