



SSDX-12[®] **Summary**

We are dedicated to serving those who protect and serve others
by providing innovative and proven decontamination technology.

It's more than just products –
it's understanding the requirements
and then providing the best solutions for the job.



SSDX-12[®] Products

Part Number	Description
SS-DCON-CT01-05GL	SSDX-12; 5 gallon bucket
SS-DCON-CT01-55GL	SSDX-12; 55 gallon drum
CW-SSWW-CT01-050W	SSDX-12 Wet Wipes - 50 wipe singles per carton

- Equates to less than \$1.00 per liter of cleaning solution when diluted.
- Equates to less than \$2.00 per gallon of decontaminating rinse solution when diluted
- Call for quotation for current pricing

Key:
Acquisition Win
Program of Record
New Product



SSDX-12[®] Concentrate Solution



A patented dual-purpose decontaminant and cleaning product for aircraft and facilities

Specifications and approvals:

- US Department of Defense MIL-PRF-87937
- AMS 1626C
- British Aerospace AIRBUS AIM09-00-002
- Boeing D6-17487 Revision T
- Douglas Aircraft Company CSD No.1 Type 1

SSDX-12 can be applied by spraying, brushing or foaming

Safety: Not a hazardous substance or mixture

SSDX-12 will **not** cause skin irritation nor sensitization. It has been evaluated in human repeat insult patch tests for skin irritation and skin sensitization evaluation.



SSDX-12[®] Concentrate Solution

Key Points:

- Dual purpose – General Cleaning and Chemical/Biological Decontamination
- Cost Competitive to standard cleaning products
- Green Technology - Biodegradable (95% in 28 days) & greater than 65% plant based components (USDA Certified Biobased Product)
 - Non-reactive, non-corrosive, no VOCs (Volatile Organic Compounds)
- Skin Friendly – skin sensitivity show NO reaction
- Safety - Heat & safety risk mitigation of heat related issues caused by working in PPE like heat stroke and dehydration
- Shelf Life – 5 years



SSDX-12[®] Concentrate Solution



Aircraft Decontamination-The Unique Challenges of Decontaminating Sensitive Equipment

Home / Articles / Journal Article / Fall 2016: Volume 3 Issue 3

<https://hdiac.org/articles/aircraft-decontamination/>

“Hill Air Force Base in Utah qualified the product as the only approved cleaner that can be discharged to the industrial wastewater treatment facility due to compatibility with their heavy metal recovery process. Hill AFB has also used the product as a facilities cleaner, which has shown to help ensure Occupational Safety and Health Administration expanded standard compliance by preventing the migration of toxic heavy metals from aircraft heavy maintenance facilities to worker break rooms and offices.”

SSDX-12 was originally developed as a non-reactive, non-corrosive decontaminant to remove chemical and biological agents from sensitive equipment. It is specifically formulated to solubilize oily, hydrophobic, toxic chemicals.

Purpose	Dilution
Aircraft Cleaning	30:1 (3.25% soap solution)
Facility Cleaning	65:1 (1.5% soap solution)
Decontamination	15:1 (6.25% soap dilution)



SSDX-12 Wet Wipes

SSDX-12 Wet Wipes are a non-woven polymeric wipe wetted with a proprietary super soap developed in a ready to use format for the physical removal of wet and dry contaminants from surfaces. This combination of SSDX-12 (a highly effective surfactant blend) and the microfiber wipe provides an effective broad-spectrum decontaminant, that is suitable for use in removal/decontamination of:

- particle (radioactive or toxic substances),
- chemical agents,
- Toxic Industrial Chemicals and Materials (TICs/TIMS)
- Opioids.

SSDX-12 is a blend of non-ionic surfactants specifically formulated for the removal of chemical agents from surfaces. **Superior efficacy of SSDX-12 at removing VX from skin was demonstrated using the Strat-M® membrane¹**, when compared with RSDL and Dawn Ultra (reference available). SSDX-12 also effectively removes powdered opioids, including fentanyl citrate, carfentanyl HCl, and remifentanyl HCl, from surfaces.

SSDX-12 consists of surfactants commonly used in personal care products, and has been **tested for compatibility with human skin**. Unlike other skin decontamination technologies, the SSDX-12 Wet Wipes are a safer removal technology as the chemistry is skin friendly; testing demonstrated there was no indication of a potential to elicit dermal irritation or sensitization (contact allergy) for SSDX-12 on skin (testing performed by BioScreen Testing Services).



Note 1: Strat-M membrane (Millipore Sigma, Merck KGaA) is a synthetic, non-animal based model for transdermal diffusion testing that is predictive of diffusion in human skin without lot-to-lot variability



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