



Description: SSDX-12™ is a concentrated detergent that is certified for use on U.S. military aircraft, and is very effective for general aircraft under MIL-PRF-87937 as a type IV heavy duty water dilutable cleaner. Used for general cleaning, SSDX-12™ has been shown to be compatible with industrial wastewater treatment facilities at Hill AFB.

SSDX-12™ is non-hazardous and is pH neutral (pH 7.0-7.8) for greater operator comfort and acceptance. SSDX-12™ has no shipping restrictions, is biodegradable, requires no special applicator, and is non-corrosive.

SSDX-12™ is a very concentrated surfactant formulation; because it cleans effectively even at high dilutions, it provides excellent value in cost per use – no need to buy, ship and store water, as in more dilute detergents.

In addition to cleaning routine cleaning of aircraft, SSDX-12™ is an excellent facility (maintenance bays, hangers, hallways, floors etc.) cleaner at heavy maintenance installations. It prevents the spread of heavy metal contamination and is compatible with industrial wastewater treatments to recover heavy metal contamination prior to discharge.

It was originally developed as a non-reactive, non-corrosive decontaminant to remove chemical and biological warfare agents from sensitive equipment. It has been tested against chemical, biological and radiological contaminants (radiological tests are ongoing). SSDX-12™ is not ITAR controlled.



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Specifications and Approvals:

MIL-PRF-87937 Performance Specification Cleaning Compound, Aerospace Equipment Type IV Heavy Duty, Water Dilutable Cleaning Compound

AMS 1626C Cleaner for Aircraft Exterior Surfaces Water-Miscible, Pressure-Spraying Type

British Aerospace AIRBUS AIM09-00-002 External and General Cleaners

Boeing D6-17487 Revision T Exterior and General Cleaners and Liquid Waxes, Polishes and Polishing Compounds

Douglas Aircraft Company Customer Service Document CSD No.1 Type 1: Materials and Procedures for General Exterior Cleaning of Painted and Unpainted Surfaces

Application: SSDX-12™ can be applied by spraying, brushing or foaming.

- For Routine Cleaning of Aircraft use 30:1 water to SSDX-12™ or as needed (3.25% soap solution).
- For Facilities cleaning use 65:1 water to SSDX-12™ (1.5% soap solution).
- For Chemical and Biological Decontamination use 4:1 to 15:1 water to SSDX-12™ (20% to 6.25% soap solution).

Safety: Not a hazardous substance or mixture. Please see Safety Data Sheet for SSDX-12™ for additional details.

Physical Properties:

pH (undiluted)	7.8
pH (10%)	7.0
Insoluble Matter	<0.01%
Biodegradable	95% in 28 days
Nonvolatile Matter	25.2%
Flash Point	Not observed to water
boiling point, 212°F	
Volatile Organic Compounds (VOC)	0 (per EPA Method 24)
Non-Precursor Organic Compounds (NPOC)	None
Non-reactive	
Non-corrosive	
No special applicators required	

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The above information has been provided to the best of our knowledge on the basis of thorough tests. No liabilities or guarantees deriving from or in connection with this leaflet can be imputed to TDA Research.



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