

EMS AeroSolutions Interior Cleaner

DISINFECTANT AND CLEANER

AeroSolutions Interior Cleaner is a cleaner, disinfectant, detergent, deodorizer, fungicide, virucide and mildewstat that carries various USDA Authorization codes including A1, A2, A4, A8, C3.

- Cleaner/Virucide
- Porous and Non-Porous Surfaces
- Fast kill of pathogens
- Disinfect walls, floors
- Safe on Fabrics, seating
- Leave on for long-term disinfectant solution
- Non-D.O.T Regulated

AeroSolutions Interior Cleaner is delivered as a super concentrate. When diluted at 64:1, it can be applied as a spray or as a traditional cleaner and will knock down a plethora of hard-to kill viruses and pathogens including:

Adeno Type 2	MRSA
Aspergillus Niger	Novovirus (Norwalk Virus)
Avian Flu (H9N2, H3N2)	Parainfluenza Type 1
Bovine Viral Diarrhea Virus	Polio (Chat Strain)
Brevibacterium Ammoniogenes	Pseudomonas Aeruginosa
Canine Parvovirus	Psuedora
Creutzfeld-Jacob Disease	Salmonella Choleraesuis
Escherichia Coli (E-Coli)	Salmonella Schottmuelleri
Enterobacter Aerogenes	SARS
Feline Calicivirus (FCV)	Shigella Dysenteriae
Hepatitis B Virus (HBV)	Staphylococcus Aureus
Hepatitis C Virus (HCV)	Streptococcus Faecalis
Herpes Simplex 1 (Sabin)	Streptococcus Pyogenes
Herpes Simplex 2	Streptococcus Salivarius
Human Coronavirus	T1 & T4 Bacteriophage
HIV-1 (AIDS Virus)	Trichophyton Mentagrophytes
Influenza A2, B & C	Tuberculosis
Klebsiella Pneumoniae	Vaccina
Listeria Monocytogenes	VIRSA
Measles Virus	

AeroSolutions Interior Cleaner can be used in passenger and employee areas, seating, restrooms, walls, doors, handles, flooring... anywhere dirt and germs build up.

AeroSolutions is powered by EMS' patented microbe technology known as Xtreme. A colorless, odorless broad spectrum disinfectant and detergent. Xtreme provides 1.1 trillion colony forming units per gallon. EMS microbes are enclosed in a sheath to protect them from chlorine, sanitizer and heat, which easily kill unbound microbes.

Check with your EMS representative for a full lab report of the bacteria, pathogens and viruses that Xtreme has been tested and proven to destroy. EPA registration pending.



Xtreme

Technical Data

NITRATE LEVEL: **0% - None**
FORM: **Liquid**
ODOR: **Mild Detergent Odor**
COLOR: **Clear, Colorless**
DETERGENCY: **Strong**
TOXICITY: **Non Toxic**
WETTING ABILITY: **Excellent**
STORAGE STABILITY: **1 Year+**
COLD STABILITY: **27° F**

SHIPPER REGULATIONS: **None**
FLASH POINT: **None**
BOILING POINT: **212° F**
SOLUBILITY IN WATER: **100%**
BIODEGRADABLE: **Yes/100%**
VOLATILE BY VOLUME: **N/A**
CARCINOGENS: **None**
VISCOSITY: **Thin**
EVAPORATION RATE: **Slow**

Common Uses

AeroSolutions Interior Cleaner is a super concentrated industrial cleaner which at different dilutions can be used in almost countless environments.

Cleaning Uses

Passenger Area
Employee Area
Cockpit
Seating
Service Areas
Customs
Wall Cleaning
Floor Cleaning
Ceiling Cleaning
Upholstery Cleaning
Restroom Cleaning
Food Prep Area Cleaning
Cargo Room Cleaning
Check Point Area Cleaning
Floors, Walls, Ceilings & All Surfaces

Metal Studies

Dept. of Transportation (D.O.T.) Test Protocols as per Section 173.154 Exceptions for Class 8 (corrosive materials): The material being tested must be proven to be non-destructive or not to cause irreversible alterations in human skin tissue. Testing was conducted on an albino rabbit.

Conclusion: AS Interior Cleaner proven to be NON-DESTRUCTIVE on human skin tissue.

Metal Test Limits: D.O.T. Classifies a material to be CORROSIVE if it has a corrosion rate that exceeds 6.25 mmpy on SAE C1020 carbon steel or 7075-Y6 Aluminum.

Results of AS Interior Cleaner: SAE 1020 carbon steel = 0.00 mmpy

Conclusion: AS Interior Cleaner is NON-CORROSIVE

Dilution Specifications

Please refer to the product label.

Toxicity Studies

Toxicity Limits: Test Procedure OECD 202, 48 hr.

LC 50 and LD 50 (rat oral) scores found AS Interior Cleaner to be NON-TOXIC.

Mutagenicity Limits: OECD Guidelines Sec. 471 Chemicals

AS Interior Cleaner was found NOT TO BE MUTAGENIC

Dermal Irritation & Corrosion Test

A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals Sec. 404 and complies with the requirements of OECD Principles of GLP, Annex revised as of July 1992.

AS Interior Cleaner received a Primary Irritation Score of .2 +/-0.1 and is classified as a "Non-Skin Irritant"

Biodegradation & Aquatic Safety

Test Procedure: Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

Test Results Conclude AS Interior Cleaner was found to be **100% Biodegradable**

COD = **063 mg/L**

BOD = **No Detectable Limits**

Classifications & Approvals

D.O.T., TDG, IMO, IATA, IMDG, SARA 313 311/312, California Prop 65
NON-Regulated

FDA

Approved as Safe (GRAS)
(CGMP) CFR 184.1923

USDA Authorization

A1, A2, A4, A8, C3

Mil Spec

Mil-C-25769-H
Mil-C-87936-A

Boeing

D6-17487

Additional Studies & Results: When tested, AS Interior Cleaner showed no potential for the generation of Carbon Dioxide under NIOSH 7903, OSHA & ACGIH testing protocols governing workplace environments.