

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078881143

N/A

AN-93.00 - Contains An 91 &amp; 92

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communications Standard,  
 29CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and  
 Health Administration  
 Form Approved  
 OMB No. 1218-0072

IDENTITY (As Used on Label and List)

AirScan® HCHO/EO Dev A Sol'n

Note: Blank spaces are not permitted. If any item is not applicable, or no  
 information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name: AIRSCAN ENVIRONMENTAL TECHNOLOGIES, INC.	Emergency Telephone Number 908 - 725 - 1342
Address (Number, Street, City, State, and Zip Code) 197 MEISTER AVENUE BRANCHBURG, NJ 08876	Telephone Number for information 908 - 725 - 1342
	Date Prepared: January 10, 2000
	Signature of Preparer (optional)

**Section II - Hazardous Ingredients / Identity Information**

Hazardous Components(Specific Chemical Identity: Common Names):	OSHA PEL	ACGIH TLV	(optional) CONTENT
Hydrogen Chloride (CAS #7647-01-0)	5ppm (C)	5ppm (C)	0.2%
Salicylic hydrazide (CAS #938-02-7)	N/A	N/A	0.5%
Sodium Petroleum Sulfonate Surfactant (CAS #68808-26-4)	N/A	N/A	3.2%

**Section III - Physical / Chemical Characteristics**

Boiling Point 100C	Specific Gravity (H <sub>2</sub> O=1) 1.0 g/ml
Vapor Pressure (mm Hg) 200 mm Hg	Melting Point N/A
Vapor Density N/A	Evaporation Rate N/A
Solubility in Water: N/A (aqueous solution)	pH: 0.0-1.0
Appearance and Odor: Clear to light yellow liquid, odorless	

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures N/A		Unusual Fire and Explosion Hazards Non-combustible Liquid.	

(Reproduce locally)

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## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	
N/A			
Incompatibility (Materials to Avoid)			
Alkalies			
Hazardous Decomposition or Byproducts			
Non-combustible liquid			
Unusual Fire and Explosion Hazards			
Non-combustible liquid			
Hazardous polymerization:	Will occur		Conditions to Avoid
	Will not occur	X	
N/A			

## Section VI - Health Hazard Data

Routes(s) of Entry:	Inhalation? N/A	Skin? skin irritant	Ingestion? gastrointestinal discomfort
Carcinogenicity:	NTP? N/A	IARC Monographs? IARC-3	OSHA Regulated ? N/A
Signs and Symptoms of Exposure: Chronic exposure may produce skin irritation.			
Medical Conditions Generally Aggravated by Exposure		N/A	
Emergency and First Aid Procedures If swallowed, give two glasses of water and induce vomiting. Call physician. In case of skin or eye contact, immediately flush with plenty of water. Call physician.			

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in case Material is Released or Spilled Ventilate area of leak or spill. Wearing protective gloves and proper air respirator, absorb liquid with inert material such as vermiculite or sand. Place absorbed clean-up material in heavy plastic bags. Consult local, state, and federal regulations for proper disposal.	
Waste Disposal Method Consult local regulations. Classify as acidic aqueous waste.	
Precautions to be Taken in Handling and Storing N/A	

## Section VIII - Control Measures

Respiratory Protection (Specify type)		N/A	
Ventilation:	N/A	Local Exhaust:	N/A
		Mechanical (General):	N/A
		Special:	N/A
		Other:	N/A
Protective Gloves:	Neoprene or Latex (if extra precaution is desired)		Eye Protection: Chemical safety goggles

# Material Safety Data Sheet

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OSHA's Hazard Communications Standard,  
29CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and  
Health Administration  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

AirScan® HCHO/EO Dev B Sol'n

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information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name: AIRSCAN ENVIRONMENTAL TECHNOLOGIES, INC.	Emergency Telephone Number 908 - 725 - 1342
Address (Number, Street, City, State, and Zip Code) 197 MEISTER AVENUE BRANCHBURG, NJ 08876	Telephone Number for Information 908 - 725 - 1342
	Date Prepared: January 10, 2000
	Signature of Preparer (optional)

### Section II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity; Common Names):	OSHA PEL	ACGIH TLV	(optional) CONTENT
Formaldehyde (CAS # 50-00-0)	0.75 ppm TWA 2.00 ppm STEL	0.3 ppm (C)	0.4%
Guinea Green B (CAS # 4680-78-8)	N/A	N/A	0.06%

### Section III - Physical / Chemical Characteristics

Boiling Point 100 C	Specific Gravity (H <sub>2</sub> O=1) 1.0 g/ml
Vapor Pressure (mm Hg) 20 mm Hg	Melting Point N/A
Vapor Density N/A	Evaporation Rate N/A
Solubility in Water: N/A (aqueous solution)	pH: approx. 7.0
Appearance and Odor: Blue liquid, slight odor of formaldehyde.	

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits	LEL(formaldehyde only) 7% (by vol) in air	UEL(formaldehyde only) 73% (by vol) in air
Extinguishing Media N/A			
Special Fire Fighting Procedures N/A		Unusual Fire and Explosion Hazards Non-combustible Liquid.	

## Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid  N/A
	Stable X	
Incompatibility (Materials to Avoid)		
Strong oxidizing materials		
Hazardous Decomposition or Byproducts		
Formaldehyde, Carbon monoxide (from formaldehyde combustion)		
Unusual Fire and Explosion Hazards		
Non-combustible liquid		
Hazardous polymerization:	Will occur	Conditions to Avoid  N/A
	Will not occur X	

## Section VI - Health Hazard Data

Routes(s) of Entry:	Inhalation? respiratory tract irritant	Skin? skin irritant	Ingestion? abdominal pain, vomiting, headache, and diarrhea
Carcinogenicity: (formaldehyde)	NTP? NTP-2A,-2B	IARC Monographs? IARC-2A	OSHA Regulated? OSHA-X
Signs and Symptoms of Exposure (to formaldehyde): Contact dermatitis or allergic reaction may occur. Formaldehyde is a suspected carcinogen.			
Medical Conditions Generally Aggravated by Exposure (to formaldehyde): Pre-existing skin disorders; eye problems; impaired liver, kidney or respiratory function			
Emergency and First Aid Procedures If swallowed, give two glasses of water and induce vomiting. Call physician. In case of skin or eye contact, immediately flush with plenty of water. Call physician.			

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in case Material is Released or Spilled Ventilate area of leak or spill. Wearing protective gloves and proper air respirator, absorb liquid with inert material such as vermiculite or sand. Place absorbed clean-up material in heavy plastic bags. Consult local, state, and federal regulations for proper disposal.
Waste Disposal Method Dispose in accordance with local, state and federal regulations.
Precautions to be Taken in Handling and Storing Store apart from strong oxidizers.

## Section VIII - Control Measures

Respiratory Protection (Specify type) Full-face respirator with formaldehyde cartridges may be worn.		
Ventilation: Local or general exhaust is recommended.	Local Exhaust: Recommended over general exhaust	Special: N/A
	Mechanical (General): N/A	Other: N/A
Protective Gloves: Neoprene or Latex (if extra precaution is desired)	Eye Protection: Chemical safety goggles	