

MATERIAL SAFETY DATA SHEET — 16 Sections

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier FORMALDEHYDE VAPOR MONITOR BADGE		[WHMIS Classification] F-50	
Product Use			
Manufacturer's Name ADVANCED CHEMICAL SENSORS		Supplier's Name ADVANCED CHEMICAL SENSORS	
Street Address 101B GLADES ROAD		Street Address 101B GLADES ROAD	
City BOCA RATON	Province FL	City BOCA RATON	Province FL
Postal Code 33432	Emergency Telephone 561-338-3116	Postal Code 33432	Emergency Telephone 561-338-3116
Date MSDS Prepared 5-27-16	MSDS Prepared By BUILDING HEALTH CHECK, LLC		Phone Number 727-572-4550

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
SILICA GEL COATED WITH 2, 4-DINITROPHENYLHDRAZINE		119-26-6		
THERE ARE NO KNOWN HAZARDS ASSOCIATED WITH THIS PRODUCT				

SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
[Emergency Overview]					
WHMIS Symbols					
Potential Health Effects					

SECTION 4 — FIRST AID MEASURES

Skin Contact
Eye Contact
Inhalation
Ingestion DO NOT INGEST. SEEK MEDICAL ATTENTION IF INGESTED.

SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction			
Flashpoint (° C) and Method		Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)
Autoignition Temperature (°C)		Explosion Data — Sensitivity to Impact	Explosion Data — Sensitivity to Static Discharge
Hazardous Combustion Products			
[NFPA] FIRE AND EXPLOSION HAZARD: NONE			

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment
GENERAL GOOD WORK PRACTICE AND THE INSTRUCTIONS PROVIDED SHOULD BE FOLLOWED IN THE USE OF THIS PRODUCT. THE NYLON CAP SHOULD NOT BE OPENED.
Storage Requirements
THERE ARE NO SPECIAL PRECAUTIONS FOR STORAGE.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)			
Specific Engineering Controls (such as ventilation, enclosed process)						
NO PROTECTIVE EQUIPMENT IS REQUIRED.						
Personal Protective Equipment	<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear	<input type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, please specify type						

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odour and Appearance	Odour Threshold (ppm)
Specific Gravity	Vapour Density (air = 1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability <input type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones?

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Reactivity, and under what conditions?

STABLE IN PACKAGED PRODUCT.

Hazardous Decomposition Products

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SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure

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Effects of chronic exposure

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Irritancy of Product

Skin sensitization	Respiratory sensitization
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Carcinogenicity-IARC	Carcinogenicity - ACGIH
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Reproductive toxicity	Teratogenicity
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Embrototoxicity	Mutagenicity
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Name of synergistic products/effects

SECTION 12 — ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste Disposal

DISPOSAL IN SANITARY LANDFILL AFTER USE IS PERMISSABLE.

SECTION 14 — TRANSPORT INFORMATION

Special Shipping Information

THERE ARE NO SPECIAL PRECAUTIONS REQUIRED FOR SHIPPING

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] [OSHA]

[SERA] [TSCA]

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16 — OTHER INFORMATION

THE LABORATORY OF ADVANCED CHEMICAL SENSORS CO IS ACCREDITED BY AIHA, LAP-LLC FOR THE ANALYSIS OF FORMALDEHYDE VAPOR MONITORING BADGES. (LAB ID 102047).

SEE ADDENDUM FOR ADDITIONAL INFORMATION



Advanced Chemical Sensors

101B Glades Road, Boca Raton, FL 33432

Ph.: 561-338-3116 Fax: 561-338-5737

www.acsbadge.com

MATERIAL SAFETY DATA SHEET

Product Name: Formaldehyde Vapor Monitor Badge – Cat. No. F-50

There are no known hazards associated with this product. General good work practice and the instructions provided should be followed in the use of this product.

Materials of Construction: Nylon, Nickel Plated Steel, Polypropylene, Teflon®, Silica Gel
Consult the MSDS for each material if there is concern about usage. The product should be handled with care. It should not be ingested. There are no special precautions required for shipping, storage, skin contact, or eye contact. The Nylon cap should not be opened.

This product does not contain Formaldehyde.

Interior Contents: Silica Gel coated with 2,4-Dinitrophenylhydrazine (2,4—DNPH, CAS #119-26-6) Approx. 0.2 mg.

No monitoring of exposure is required. Do not ingest. Seek Medical attention if ingested.

Fire and Explosion Hazard: None

Reactivity Data: Stable in packaged product.

Spill or Leak Procedure: No protective equipment is required. Disposal in sanitary landfill after use is permissible.

The laboratory of Advanced Chemical Sensors Co. is accredited by AIHA, LAP-LLC for the analysis of formaldehyde vapor monitoring badges. (Lab ID 102047)