

Polymath Interscience, LLC  
Material Safety Data Sheet

Date Updated: 2/20/2011  
Version: 0.9

ScentLogix™ K9 Heroin Scent Detection Training Kit

1 : Product and Company Information

**Product Name:** ScentLogix™-K9 Heroin Scent-Detection Training Kit  
**Product Number:** SLK-HERO-C  
**Brand:** ScentLogix  
**General Use:** A non-hazardous, non-narcotic formulation that constitutes the scent equivalent of (5α,6α)-7,8-didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol diacetate (Heroin) and intended for use in the scent imprinting and general training of scent-detector K9's in the detection of Heroin. Can also be used to simulate realistic K9-training scenarios within built-up environments and civilian populations.  
**Type of container:** Sealed Cotton Bags  
**Company name:** Polymath Interscience, LLC  
**Company Address:** 3 Church Circle, Suite 366, Annapolis, MD 21401. USA  
**Technical Phone:** 410-845-5777 (9am – 4pm during operating hours)  
**24-hour Emergency Phone:** **USA:** 1-800-424-9300 [CHEMTREC]; **International CHEMTREC:** 1-703-527-3887  
**Canada:** 613-996-6666 [CANUTEC-Canada]  
**Email:** info@scentlogix.com

2 :Composition & Information on Ingredients

Substance Name	CAS Number	SARA 313
ScentLogix™ K9 "Heroin Scent" Formulation	None Established	No

**Ingredient Name(s):**

The specific chemical identity of this material is being withheld as a trade secret of the manufacturer.

3 :Physical and Chemical Properties

<b>Physical State:</b>	White Solid	<b>Water Solubility:</b>	1.9%
<b>Odor:</b>	Smells like 100% Pure Heroin	<b>Boiling Point:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Melting Point:</b>	Not determined
<b>Density:</b>	Not determined	<b>Specific Gravity:</b>	Not determined
<b>pH</b>	Not determined	<b>Viscosity:</b>	Not available

4 : Health Hazards Identification

**Exposure Routes:** Eye contact, Skin contact, Inhalation, Ingestion.  
**Target Organs:** Lungs  
**Inhalation:** No known hazards. Not intended for direct, persistent inhalation.  
**Eye Contact:** No known hazards; may cause mechanical irritation of the eye.  
**Ingestion:** No known hazards; may be harmful if swallowed.  
**Skin:** No known hazards; may be cause mild skin irritation.

<b>Chronic Effects:</b>	High concentrations of dust may be irritating to eyes, skin, mucus membranes and respiratory tract.
<b>Medical conditions generally recognized as being aggravated by exposure:</b>	None known. However, be aware that individuals with chronic respiratory diseases such as asthma, chronic bronchitis, emphysema, etc may be adversely affected by exposure to any vapor or airborne particulate matter.
<b>Carcinogenicity:</b>	The carcinogenicity of this product, to humans, has not been tested.

## 5 : Emergency and First Aid Measures

<b>Inhalation:</b>	No special requirements needed. If inhaled, remove to fresh air. Refer for medical attention if breathing becomes difficult.
<b>Eye Contact:</b>	No special requirements if bag not punctured. If bag was punctured and material was released into eye, remove contact lenses, if easily possible, and rinse eyes immediately with running water for several minutes. Assure adequate flushing by separating eyelids with fingers. Refer for medical attention if eye irritation continues.
<b>Skin Contact:</b>	Wash skin with unscented soap and rinse with copious amounts of water. Remove contaminated clothing and shoes. Wash clothes before reuse.
<b>Ingestion:</b>	If swallowed rinse mouth with plenty of water, give water and get medical advice immediately. Do not induce vomiting unless directed to do so by medical personnel.

## 6 : Stability and Reactivity

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerizations cannot occur.
<b>Chemical Incompatibilities:</b>	Hydrofluoric acid
<b>Conditions to Avoid:</b>	Open flames, oxidizing and reducing agents. Puncturing and spilling cotton bag contents.
<b>Hazardous Decomposition Products:</b>	None known

## 7: Fire and Explosion Data

<b>Flash Point:</b>	N/A
<b>Burning Rate:</b>	N/A
<b>Autoignition Temperature:</b>	None
<b>Lower Explosion Limit (LEL):</b>	N/A
<b>Upper Explosion Limit (UEL):</b>	N/A
<b>Flammability Classification:</b>	None Flammable
<b>Extinguishing Media:</b>	Water Fog, Foam, Appropriate Dry Chemical Powder, CO <sub>2</sub>
<b>Unusual Fire or Explosion Hazards:</b>	No special hazards known. Might release low amounts of toxic fumes under fire conditions.
<b>Explosion Hazards in Presence of Various Substances:</b>	Risks of explosion of the product in presence of mechanical impact: None. Risks of explosion of the product in presence of static discharge: None.
<b>Hazardous Combustion Products:</b>	Carbon Dioxide, Carbon Monoxide.
<b>Fire-Fighting Instructions:</b>	Do not release runoff from fire control methods to sewers or waterways.
<b>Fire-Fighting Equipment:</b>	Wear a self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 8 : Accidental Release Measures

<b>Spills:</b>	Sweep up spill material and place in a chemical waste container. Dispose of as non-explosive chemical waste and in a manner consistent with federal, state and local
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law. Use necessary precautions to prevent inhalation of dust and minimize contact with skin and eyes.

**Cleanup:** Isolate the spill area. Sweep up spill, place in a chemical waste container and hold for waste disposal. Avoid raising dust during clean up and prevent wind dispersal. If area is used for training, wash spill area with unscented soap and hot water, and ventilate site after material cleanup is complete. When cleaning spills, wear appropriate protective equipment including safety glasses and chemical resistant gloves. Do not release into sewers or waterways.

## 9 : Disposal Considerations

### Appropriate Method of Product Disposal:

Contact your supplier or a licensed professional waste disposal service for detailed methods on how to dispose of this material. Using optimized methods of disposal, some of the cotton material may be recycled. Observe all applicable federal, state, and local environmental regulations.

## 10 : Exposure Controls / Personal Protection

### Occupational Exposure Limits:

**CAS# 7631-86-9** OSHA PEL: TWA 6mg/m<sup>3</sup>; ACGIH TLV: TWA 10mg/m<sup>3</sup> of total dust

**Other components:** OSHA PEL: Not determined ACGIH TLV: Not determined

**Engineering Controls:** No special requirements needed with normal use. Handle scent bags as an inert material. Eyewash stations, safety/quick-drench showers and scent-decontamination equipment (washing machine) recommended.

**Ventilation:** General room ventilation adequate with normal use. Otherwise, provide ventilation during use to maintain airborne concentrations levels below stated exposure limits.

**Eye Protection:** No special requirements needed with normal use.

**Respiratory Protection:** Respiratory protection is not required under normal use conditions. Do not intentionally breathe vapors. Where protection from nuisance levels of dusts are desired, use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU) type N95 (US) or type P1 (EN 143) dust masks.

**Protective Clothing/Equipment:** Wear non-latex chemically protective gloves during training.

**Contaminated Equipment:** Remove contaminated work clothes from training area and wash separately from other clothing. Rinse washbasin after use. Clean material from shoes and personal protective equipment. Dispose of non-latex gloves after use.

**General Hygiene Measures:** Wash hands thoroughly after handling, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## 11 : Handling and Storage Information

**Handling Precautions:** No special requirements needed under normal use conditions. Use non-latex gloves during handling of product. Avoid contact with eyes, skin and clothing. Avoid direct Inhalation. Do Not Puncture Cloth Bag.

**Storage Requirements:** Store away from heat and open flame. Keep tightly sealed in container and away from oxidizers. Keep in cool, dry place, preferably at <0°C. Keep out of reach of children,

## 12 : Transport Information

### DOT (49 CFR 172.101)

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

**Shipping Name:** ScentLogix™ K9-Scent Training Kit.  
**Shipping Symbols:** None required.  
**Special Labels:** None required.  
**Hazard Class:** None.

**IATA**

Non-Hazardous for Air Transport: This substance is considered to be non-hazardous for air transport.

### 13: Regulatory Information

**US Classification And Label Text**

US Statements: Target organ(s): Lungs. Eyes.

**United States Regulatory Information**

SARA LISTED: No

**Canada Regulatory Information**

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

DSL: No

NDSL: No

### 14: Other Information

**Disclaimer:**

Intended for canine evaluation and training purposes only. Not for drug, household or other uses.  
For professional use only.

**Label Precautions:**

Do not puncture bag.

Do not get dust in eyes, on skin or on clothing.

Always remove scent-contaminated clothing from training site.

Do not breathe dust.

Wash hands thoroughly after handling.

Keep container closed when not in use.

Use with adequate ventilation.

**Warranty:**

Polymath Interscience LLC. provides the information contained herein in good faith and makes no representation as to its comprehensiveness or accuracy. Polymath Interscience LLC shall not be held liable for any damage resulting from handling or from contact with the above product. This document is based on the present state of our knowledge and is intended only as a guide to the appropriate precautionary handling of the product by a properly trained person using this product. The information and data herein must be determined by the user to be in accordance with federal, state, and local laws and regulations, including regions outside the jurisdiction of the USA.

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